D-Link Certified Specialist

[D-View 7 Hands-On Practice]

Version 1.0

Agenda

- Device List and Settings
- D-View 7 Probe Configuration
- User Account / Workspace Profile
- Sensor Configuration and Customized Sensors
- Dashboard Overview
- Network Topology
- Syslog and Trap Log

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Lab Device List & Default Settings (I)

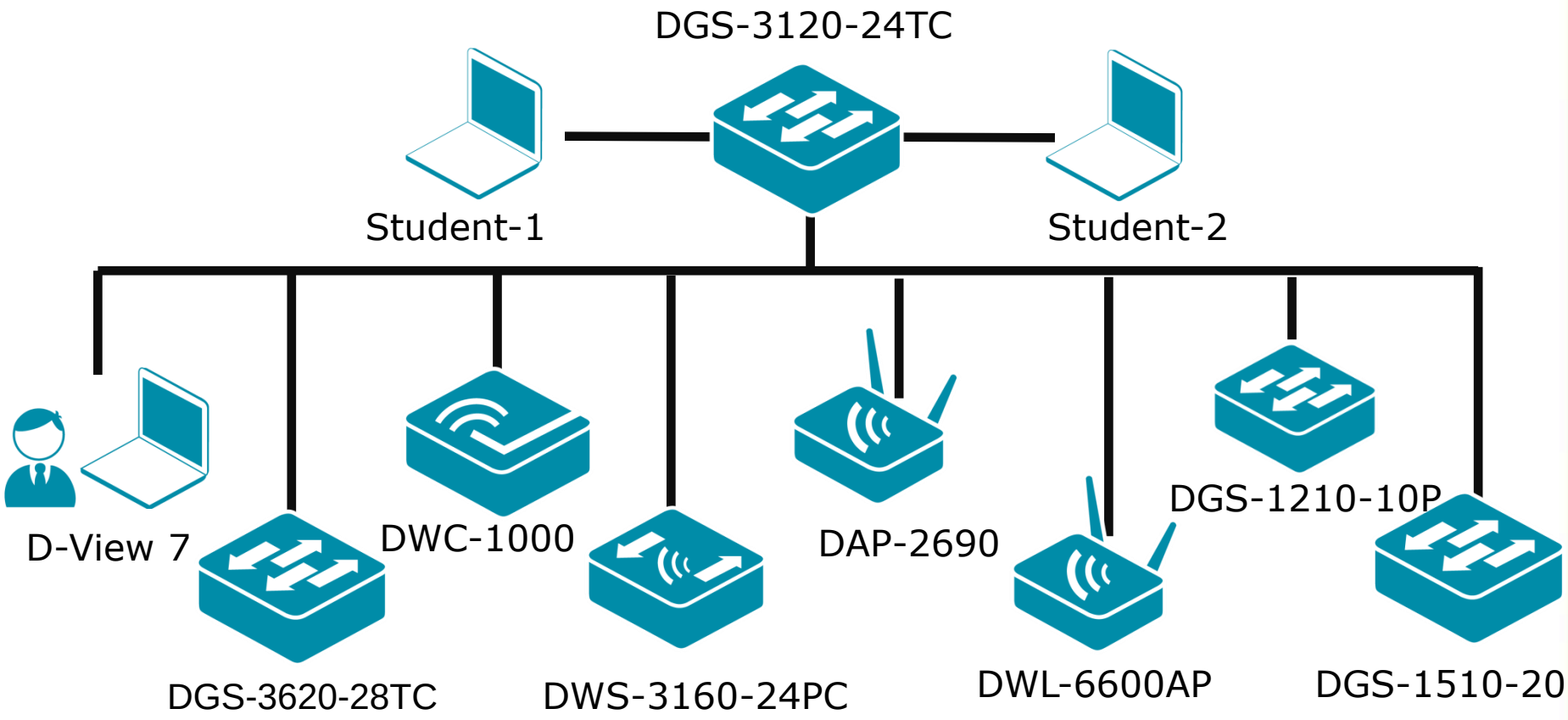
- Model Name, Default IP address, default User Name and Password
- DGS-3120-24TC (10.90.90.90, User Name and Password blank)
- DGS-3620-28TC (10.90.90.90, mgmt 192.168.0.1, User Name and Password blank)
- DGS-1510-20 (10.90.90.90, User Name and Password blank)
- DGS-1210-10P (10.90.90.90, password is admin)
- DWS-3160-24PC (10.90.90.90, User Name and Password blank)
- DWS-3160-24TC (10.90.90.90, User Name and Password blank)
- DWS-4026 (10.90.90.90, admin, no default password)

Lab Device List & Default Settings (II)

- Model Name, Default IP address, default User Name and Password
- DWC-1000 (192.168.10.1, default case-sensitive user name admin and the default case-sensitive password admin in lower-case letters)
- DWL-6600AP (10.90.90.91, enter admin for the user name and admin for the password)
- DAP-2553, DAP-2590, DAP-2690, DAP-2695, DAP-3520 (192.168.0.50; admin/blank)

Physical Network Connectivity

- Lab devices in this lab are connected using the following topology



Lab Practice (System Name & IP Address)

- Team 1(x =1); Team 2(x =2); Team 3(x =3); Team 4(x =4)
- Model Name, System (Device name, IP address)
- DGS-3120-24TC (LAB-DGS-3120-24TC; 192.168.0.25x)
  - Acts as the gateway of 192.168.0.0/24 network
- DGS-3620-28TC (LAB-DGS-3620-28TC; 192.168.0.x1/24)
- DGS-1510-20 (LAB-DGS-3620-28TC; 192.168.0.x2/24)
- DGS-1210-10P (LAB-DGS-3620-28TC; 192.168.0.x3/24)
- DWS-3160-24PC (LAB-DWS-3160-24PC; 192.168.0.x4/24)
- DAP-2695 (LAB-DAP-2695; 192.168.0. x5/24)
- DWL-6600AP (LAB-DWL-6600AP; 192.168.0. x6/24)
- DWC-1000 (LAB-DWC-1000; 192.168.0. x7/24)
- D-View 7 system (192.168.0.x8/24)
- Student laptop (192.168.0.1x1, 192.168.0.1x2, 192.168.0.1x3..)

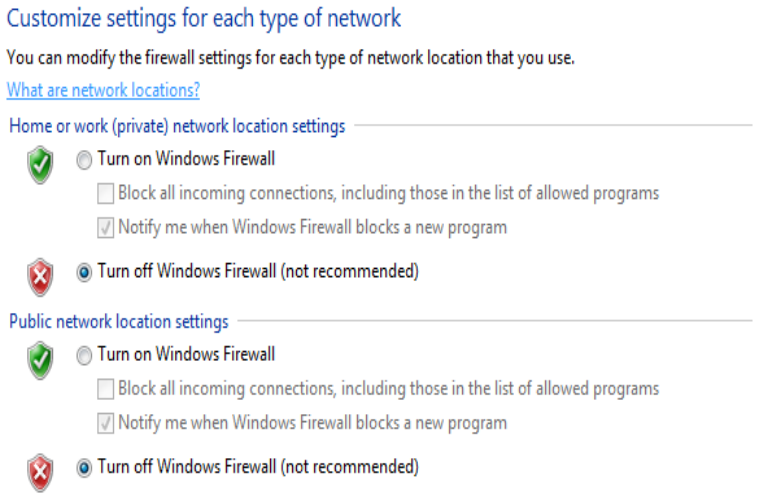
Lab Practice (summary of FW/HW)

- The following screen should describe lab device HW Version/FW Version summary

Status	System Name	IP	MAC	Device Type	Model Name	FW Version	HW Version	Serial Number	Discover Time	Label
●	LAB-DGS-3120-24TC	192.168.0.254	AC:F1:DF:B1:24:E0	L2 GE Switch	DGS-3120-24TC	3.00.022	A2	PVTC2D1000001	2014-04-29 15:51	N/A
●	LAB-DGS-3620-28TC	192.168.0.1	78:54:2E:C4:70:00	L3 GE Switch	DGS-3620-28TC	2.50.017	A1	QT5U1D5000010	2014-04-08 10:24	N/A
●	LAB-DWC-1000	192.168.0.99	B8:A3:86:7B:AB:F0	Wireless Controller	DWC-1000	4.2.0.6_WW	A1	qbe81bc000001	2014-04-08 10:24	N/A
●	LAB-DWL-6600-III	192.168.0.16	90:94:E4:86:BC:C0	Unified AP	DWL-6600AP	4.1.0.14	1	R80T1CA000007	2014-04-30 11:40	N/A
●	LAB-DWL-8600-King	192.168.0.18	1C:AF:F7:1F:15:80	Unified AP	DWL-X600AP	N/A	N/A	N/A	2014-04-30 11:33	N/A
●	LAB-DWS-3160-24TC	192.168.0.160	14:D6:4D:60:7D:C0	Unified Switch	DWS-3160-24TC	4.2.0.7	A1	R3BF1C1000001	2014-04-08 10:24	N/A
●	LAB-DWS-4026	192.168.0.26	00:17:9A:95:54:EC	Unified Switch	DWS-4026	4.1.0.2	N/A	PV0M1B9000029	2014-04-11 17:58	N/A

Lab Practice (Turn Off Windows Firewall)

- In D-View 7, you could turn off Windows Firewall for lab practices
- Open the Control Panel (Icons View) in Windows 7
- Click/tap on the Windows Firewall icon
- Click/tap on the Turn Windows Firewall on or off link in the left pane. (See screenshot below)


Customize settings for each type of network
You can modify the firewall settings for each type of network location that you use.
What are network locations?
Home or work (private) network location settings
Turn on Windows Firewall
Block all incoming connections, including those in the list of allowed programs
Notify me when Windows Firewall blocks a new program
Turn off Windows Firewall (not recommended)
Public network location settings
Turn on Windows Firewall
Block all incoming connections, including those in the list of allowed programs
Notify me when Windows Firewall blocks a new program
Turn off Windows Firewall (not recommended)

System Operation

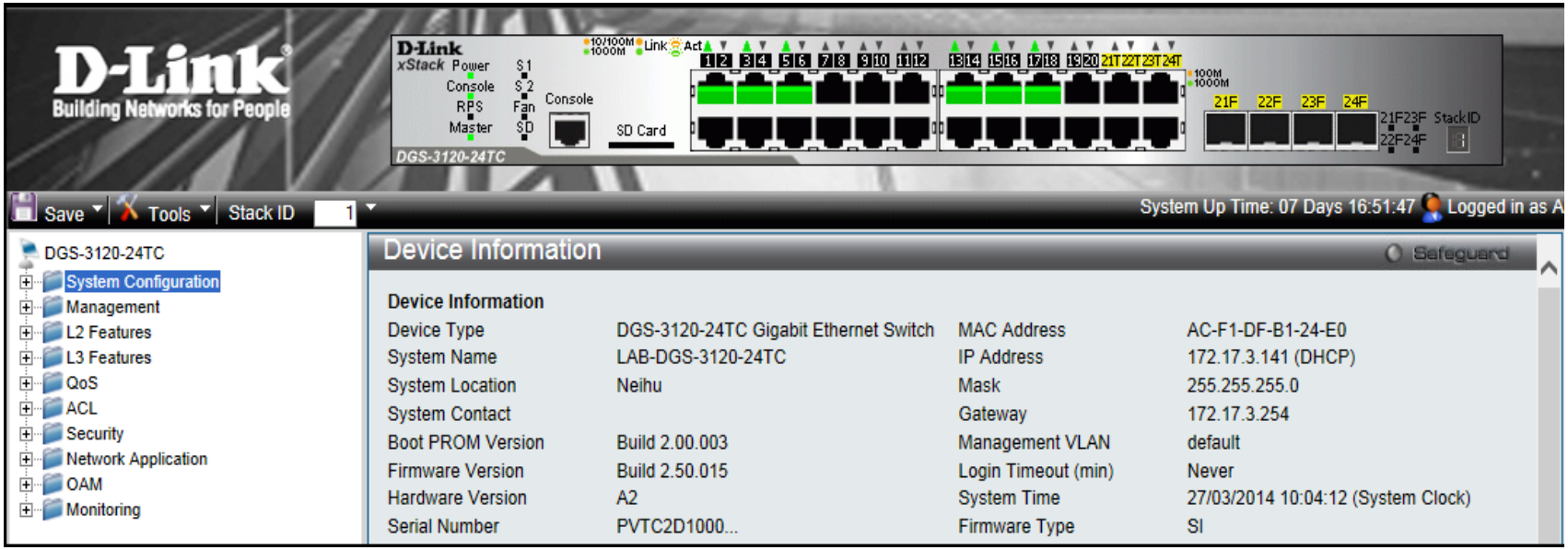
- Monitored Device Settings checklists
- Obtain device's information
  - Model Name
  - MAC address
  - Device Name
  - Time setting
- Conduct necessary SNMP settings
  - SNMP community (read only, ead and write)
  - View Table
  - Group Table
  - User Table
  - SNMP Traps
  - Engine ID

Lab Practice (Monitored Device SNMP settings)

- SNMP State: SNMP Enabled
- SNMP Trap settings: Enabled
- SNMP View Table Settings: ViewName, Community/View; Subtree, 1
- Public Community String: public
- Private Community String: private
- Syslog and Trap status: enabled
- User-based Security Model: SNMPv1 / SNMPv2
- SNMP Security Level: no auth/no priv (no authentication and no privacy)
- Syslog and Trap server: 192.168.0.x8
- SNMP UDP Port 161

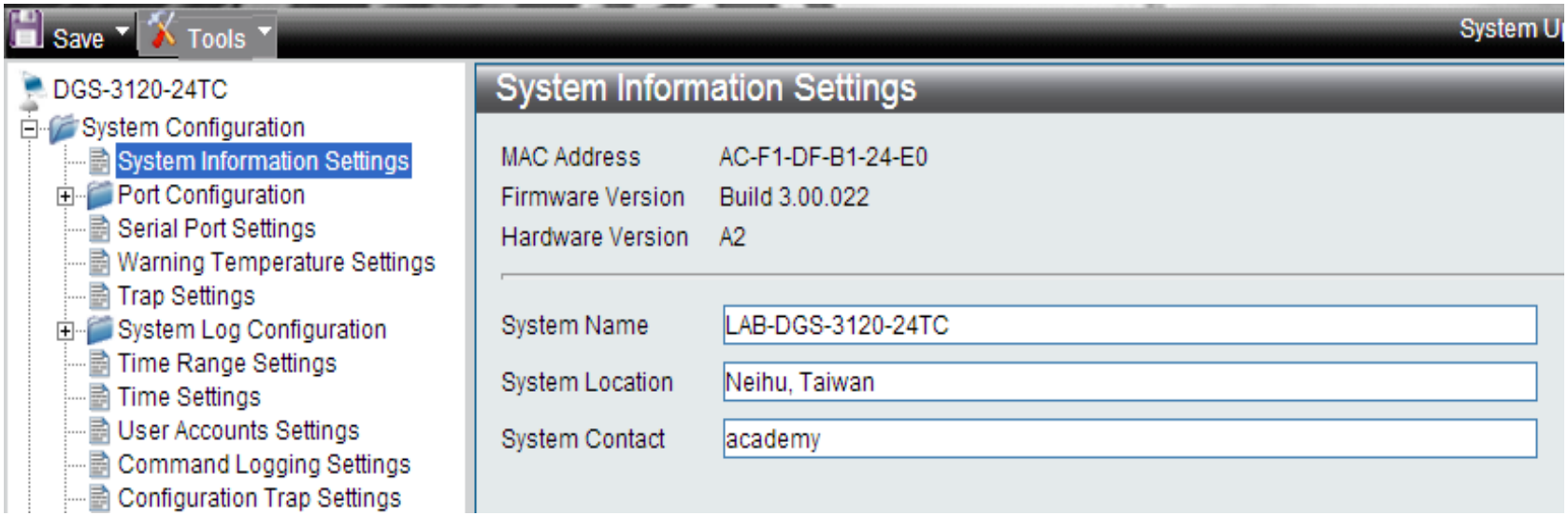
DGS-3120-24TC

- DGS-3120-24TC CLI Command
  - Show ipif
  - Show switch
  - Config ipif System ipaddress 192.168.0.254/24



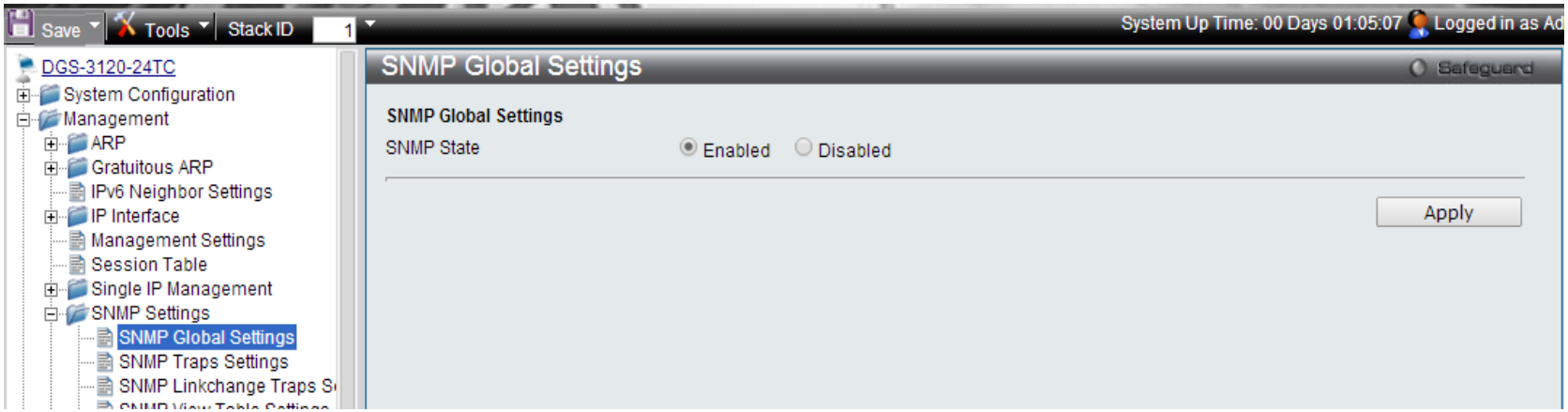
DGS-3120-24TC

- Device Name Configuration



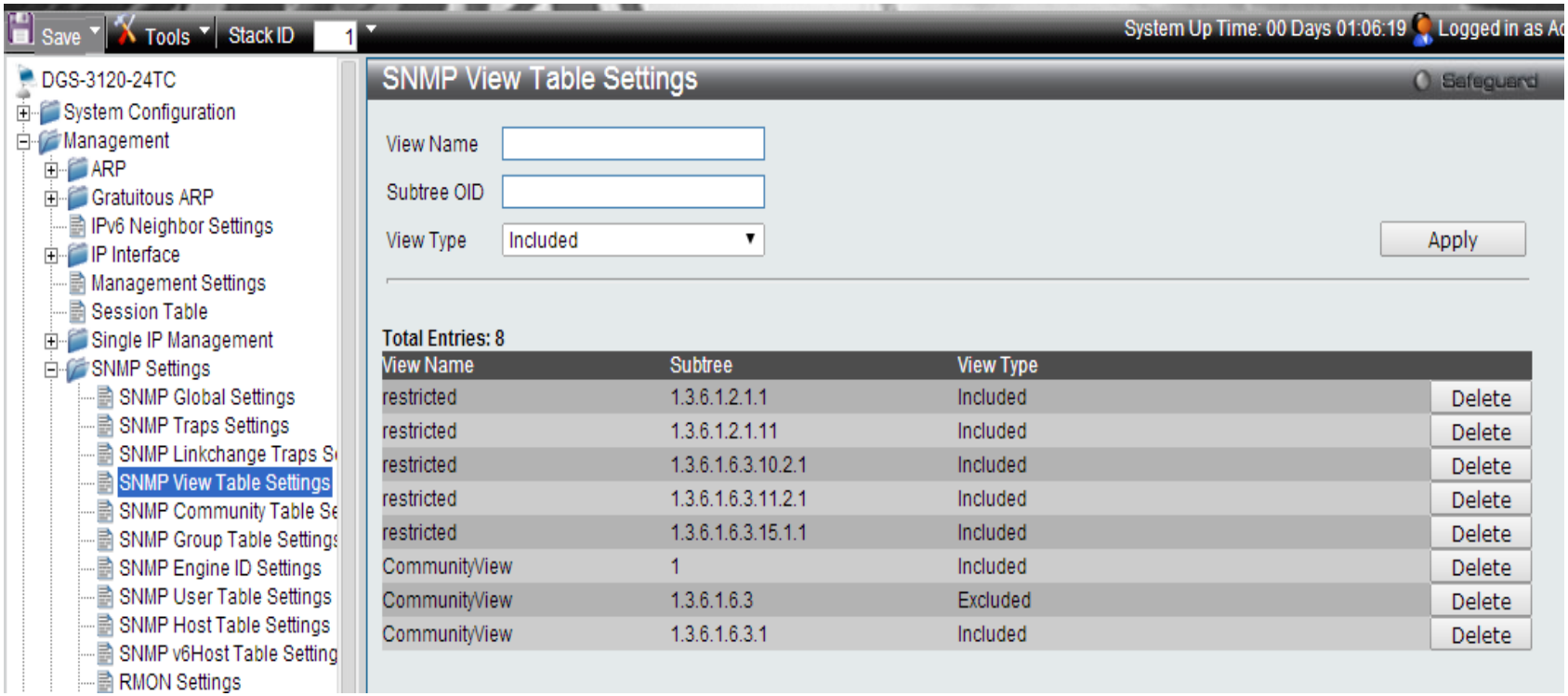
DGS-3120-24TC (SNMP Configurations)

- DGS-3120-24TC



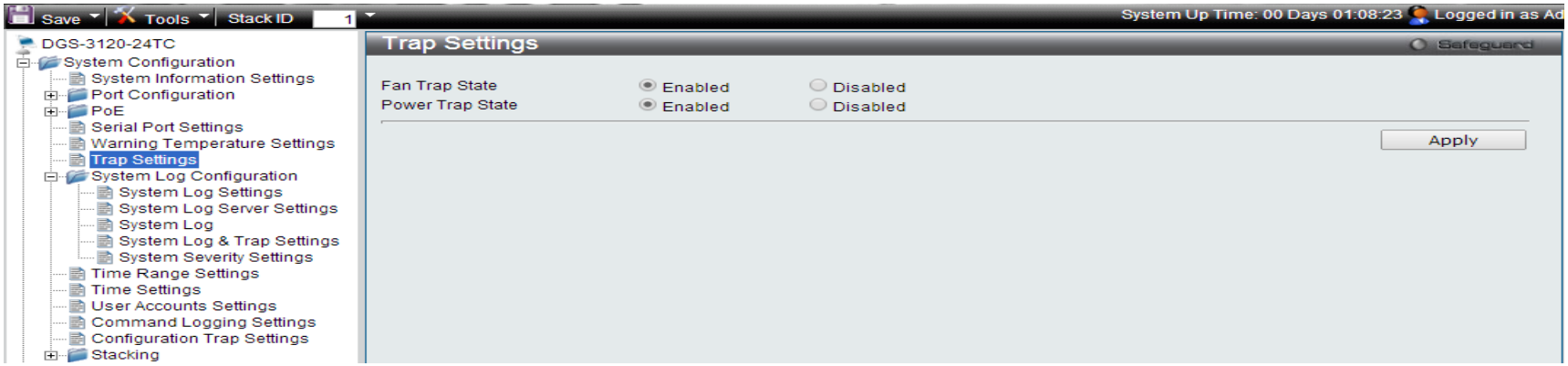
DGS-3120-24TC (SNMP Configurations)

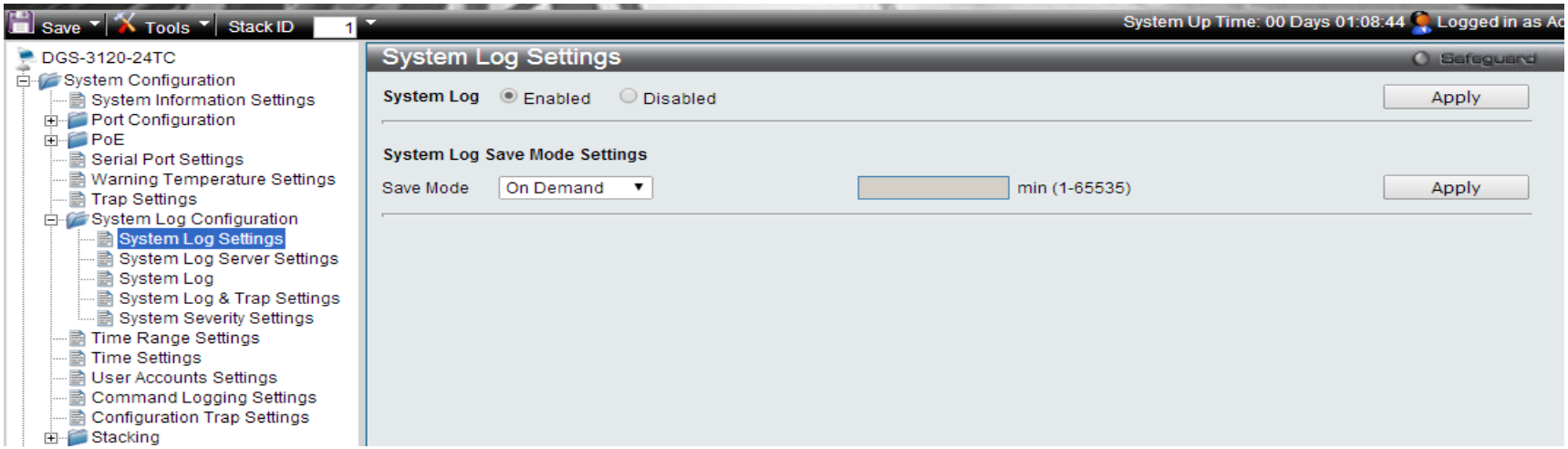
- DGS-3120-24TC



DGS-3120-24TC (SNMP Configurations)

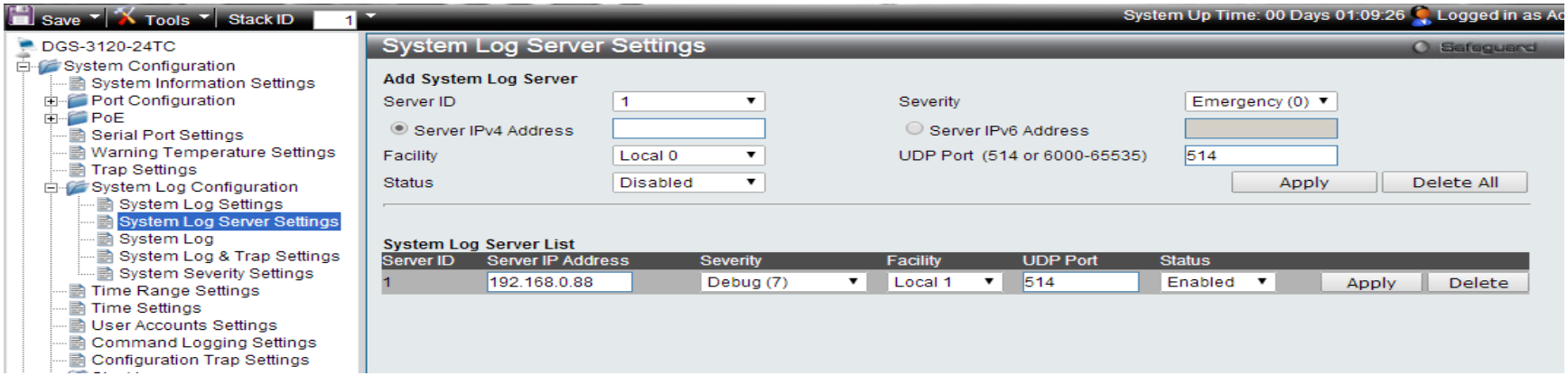
- DGS-3120-24TC

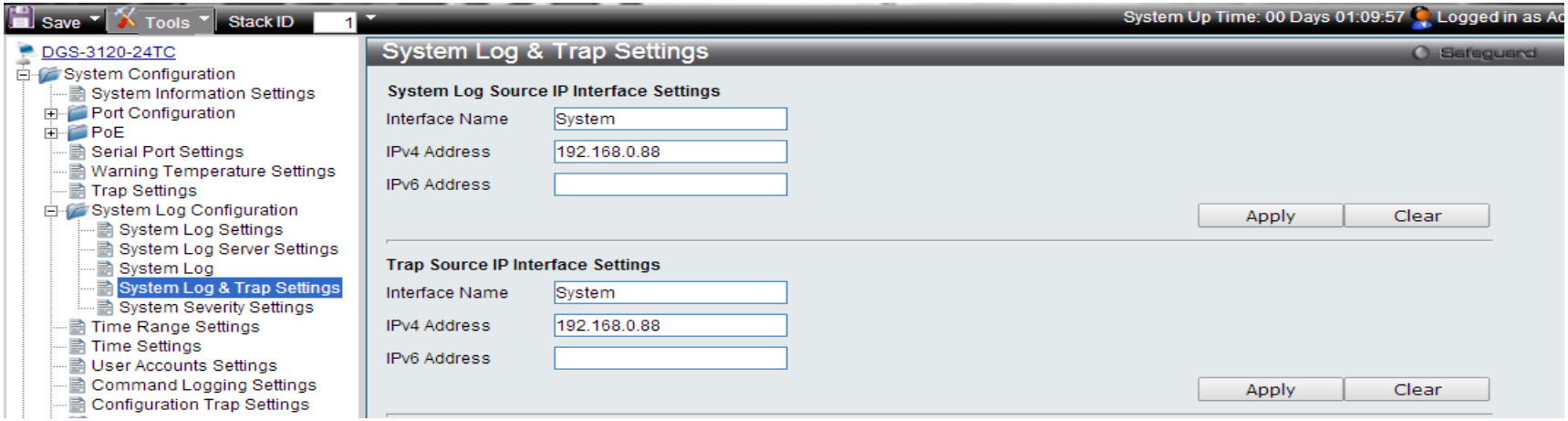




DGS-3120-24TC (SNMP Configurations)

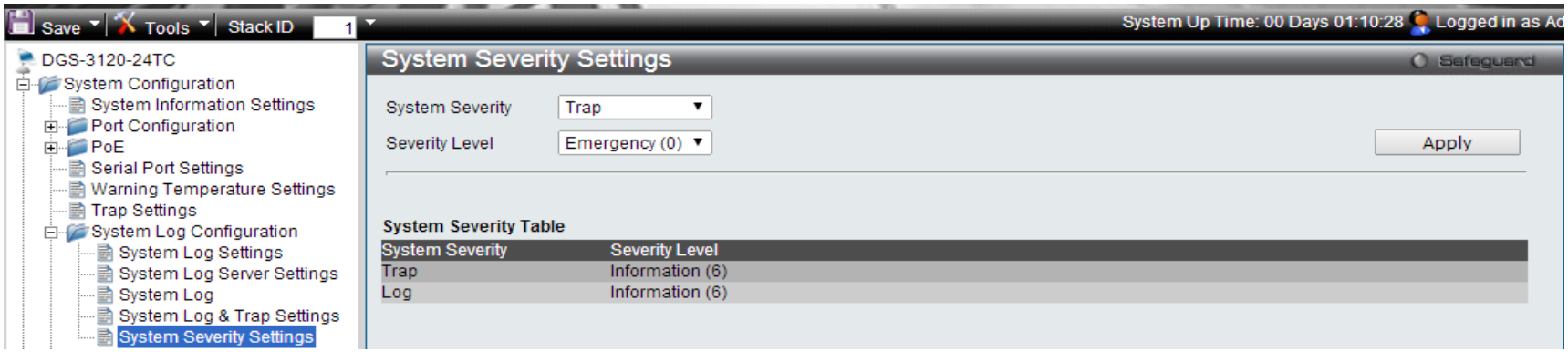
- DGS-3120-24TC





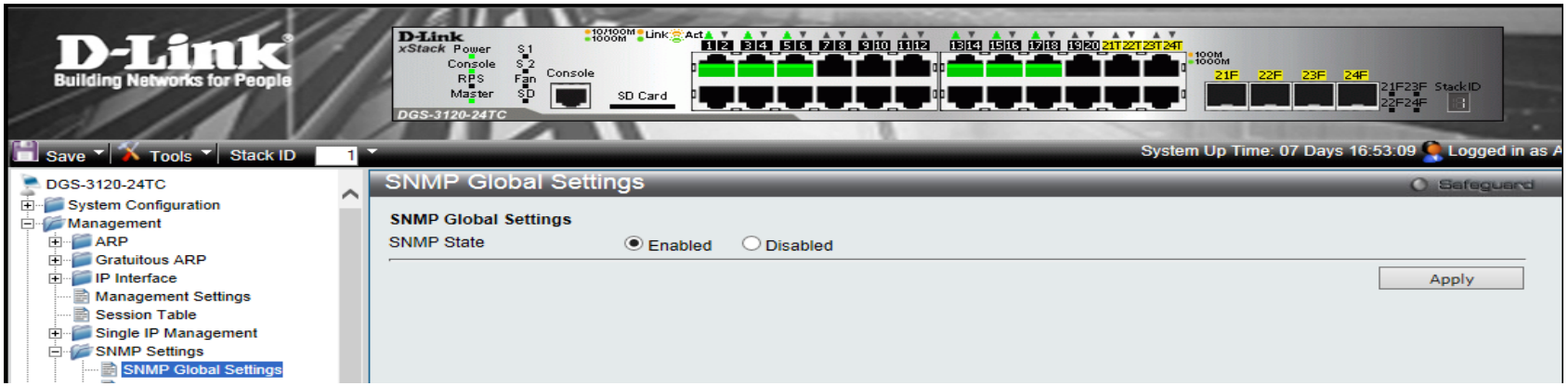
DGS-3120-24TC (SNMP Configurations)

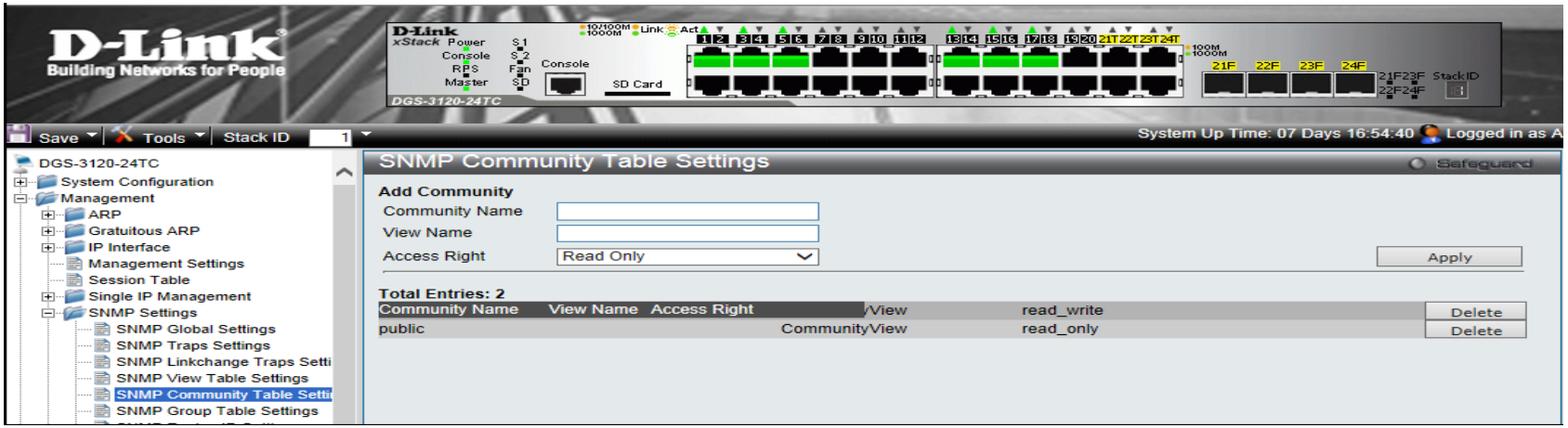
- DGS-3120-24TC



DGS-3120-24TC (SNMP Configurations)

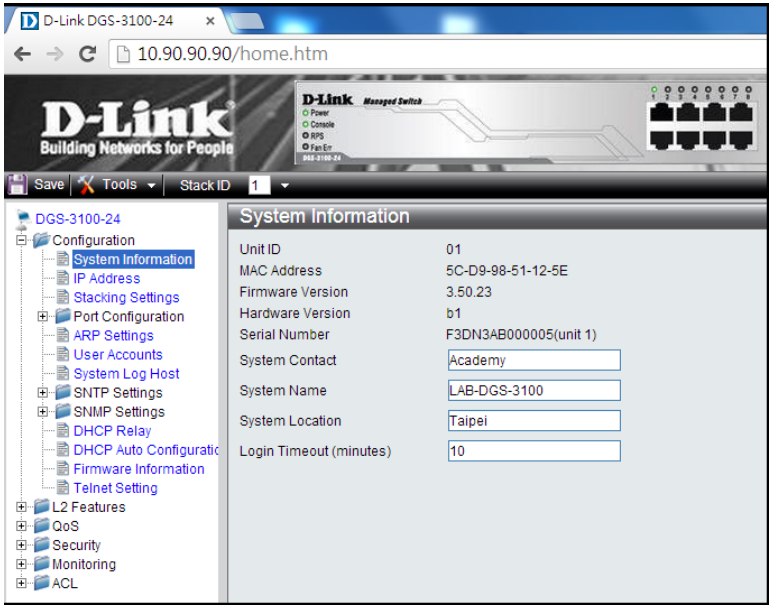
- DGS-3120-24TC SNMP Configuration





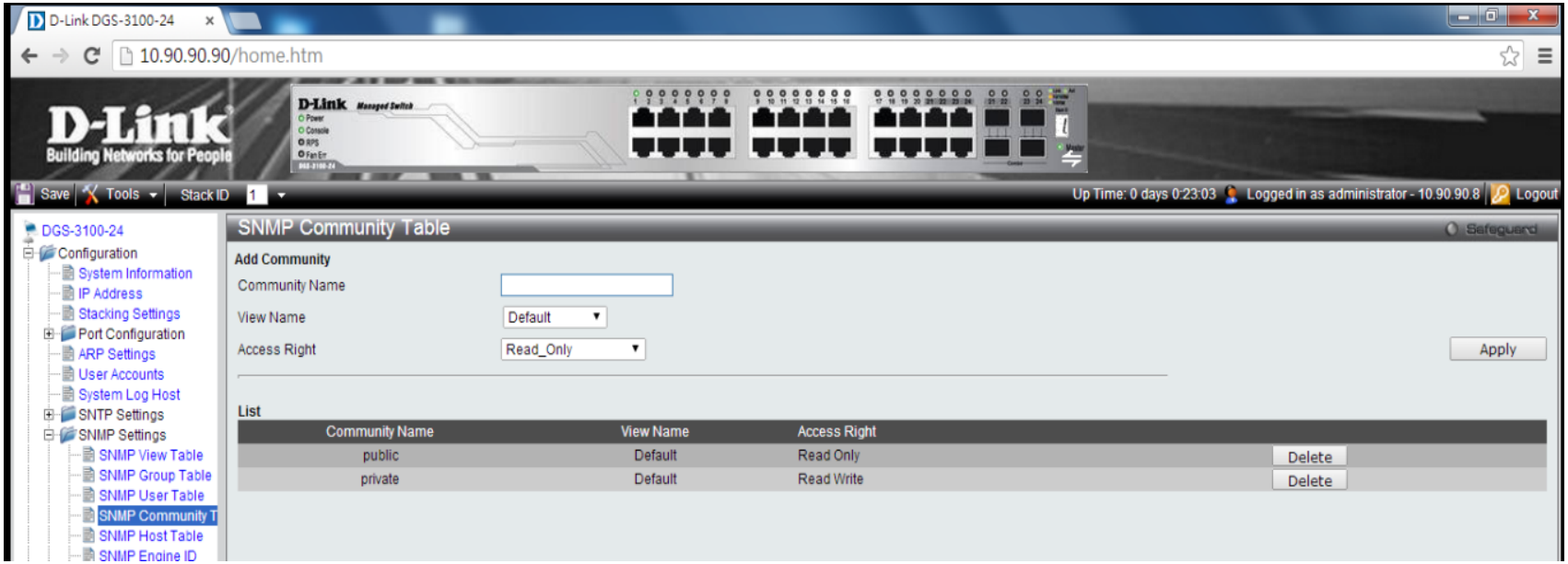
DGS-3100-24

- Device Name Configuration



DGS-3100 (SNMP Configurations)

- Device SNMP Configuration (DGS-3100-24)
  - Note: the SNMP settings in some of the devices are disabled by default
  - The user cannot connect through an NMS application without enabling the SNMP service



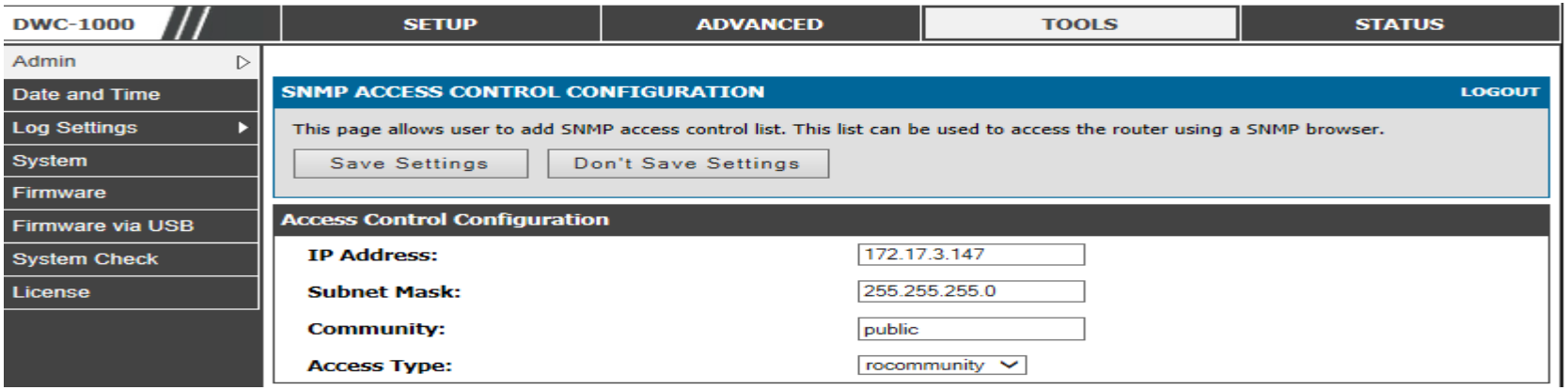
DWC-1000 (CLI)

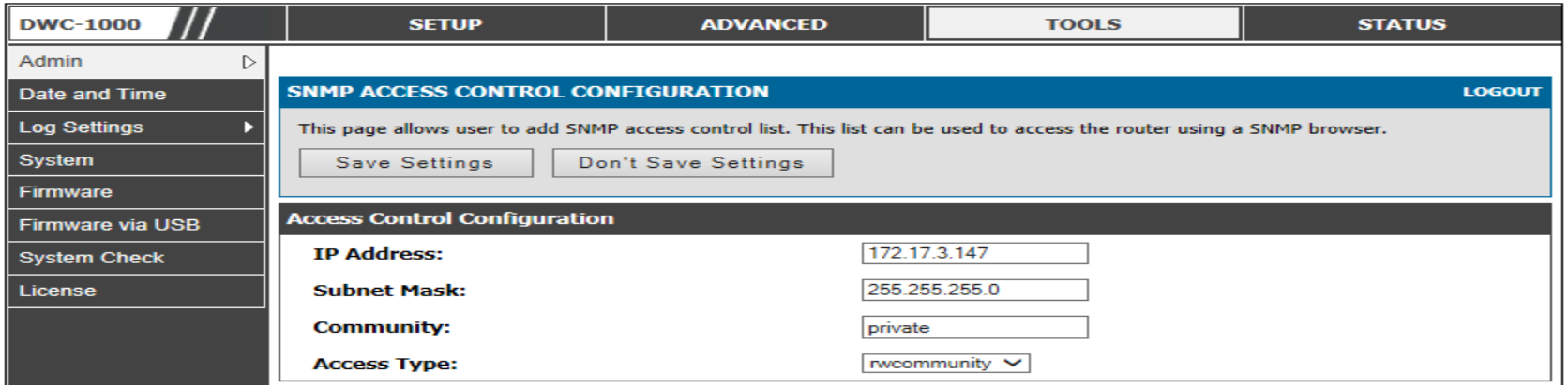
- CLI Command
  - Show system status

```
D-Link DWC> show system status

System Info
-----------

System Up Time: 0 days, 2 hours, 13 minutes, 19 seconds
ModelId: DWC-1000
System Name: LAB-DWC-1000
WLAN Module Version: 4.2.0.1
Firmware Version: 4.2.0.6_WW
Serial Number: qbe81bc000001


OPTION1 Information
-------------------

MAC Address: B8:A3:86:7B:AB:F1
IPv4 Address: 0.0.0.0 / 255.255.255.0
IPv6 Address:
Option State: DOWN
NAT (IPv4 only): Disabled
IPv4 Connection Type: Dynamic IP (DHCP)
IPv6 Connection Type: IPv6 is disabled
IPv4 Connection State: Not Yet Connected
IPv6 Connection State: IPv6 is disabled
Link State: LINK DOWN
Gateway: 0.0.0.0
Primary DNS: 0.0.0.0
Primary DNS(ipv6):
Secondary DNS: 0.0.0
```

DWC-1000 (SNMP Configurations)

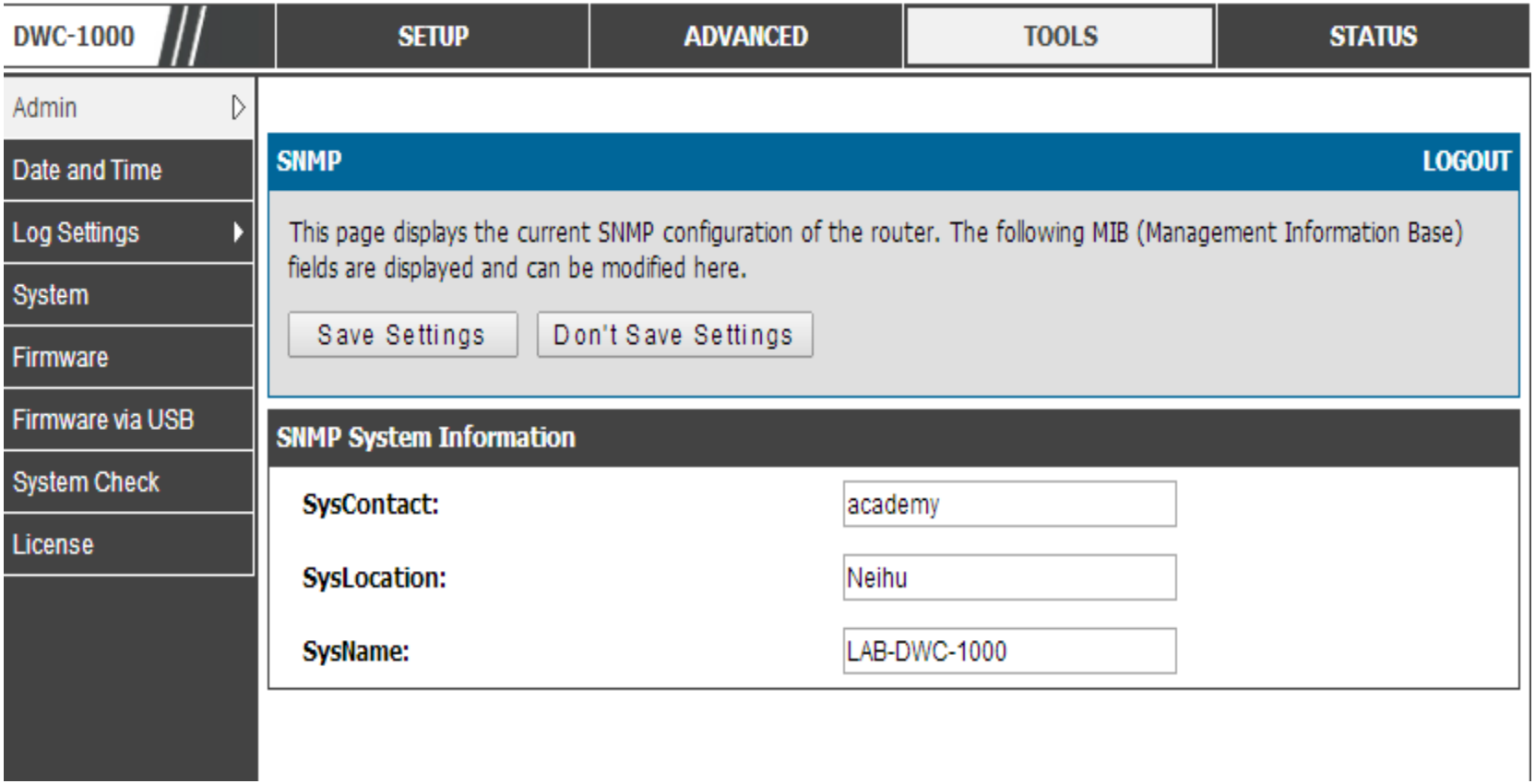
- Device SNMP Configuration (DWC-1000)
  - SNMP Access Control (GUI Menu: Tools > Admin > SNMP)





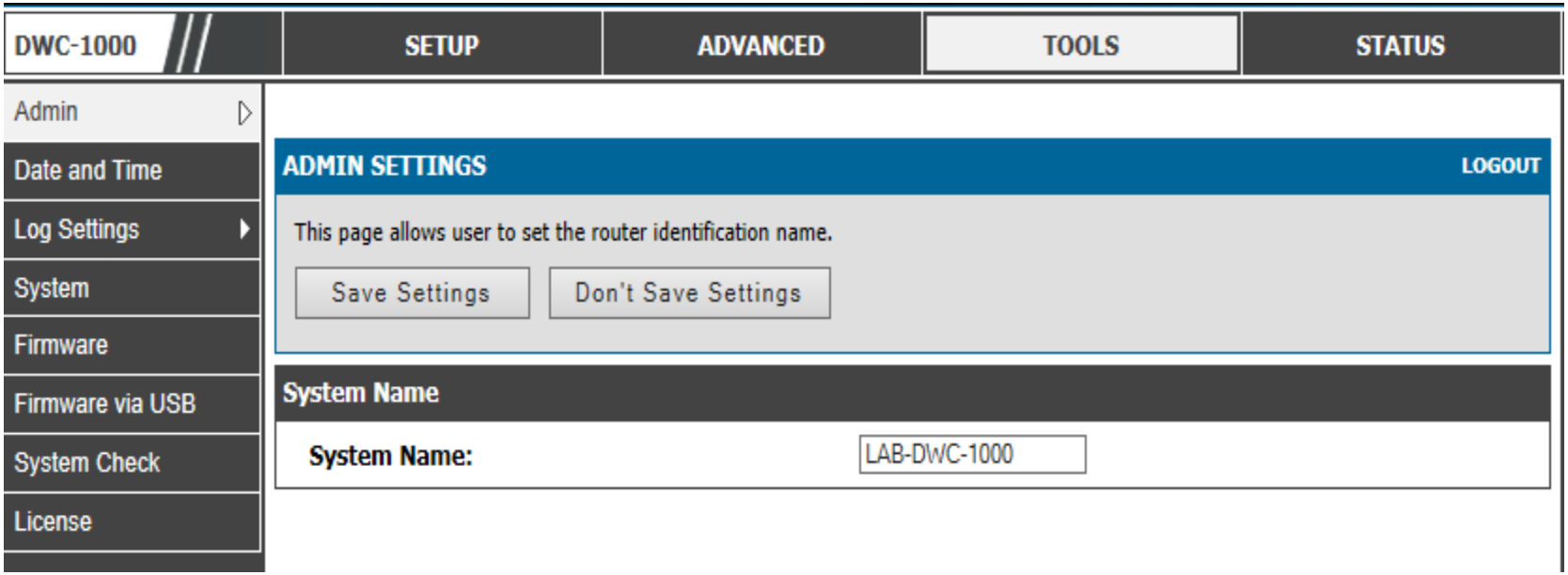
DWC-1000 (SNMP Configurations)

- DWC-1000



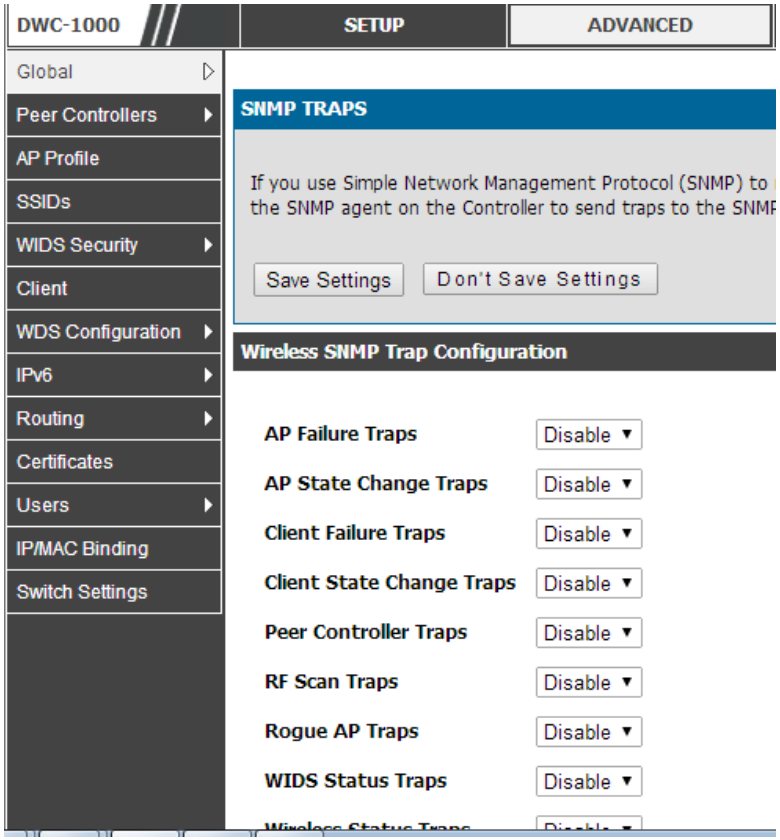
DWC-1000 Device Name Configuration

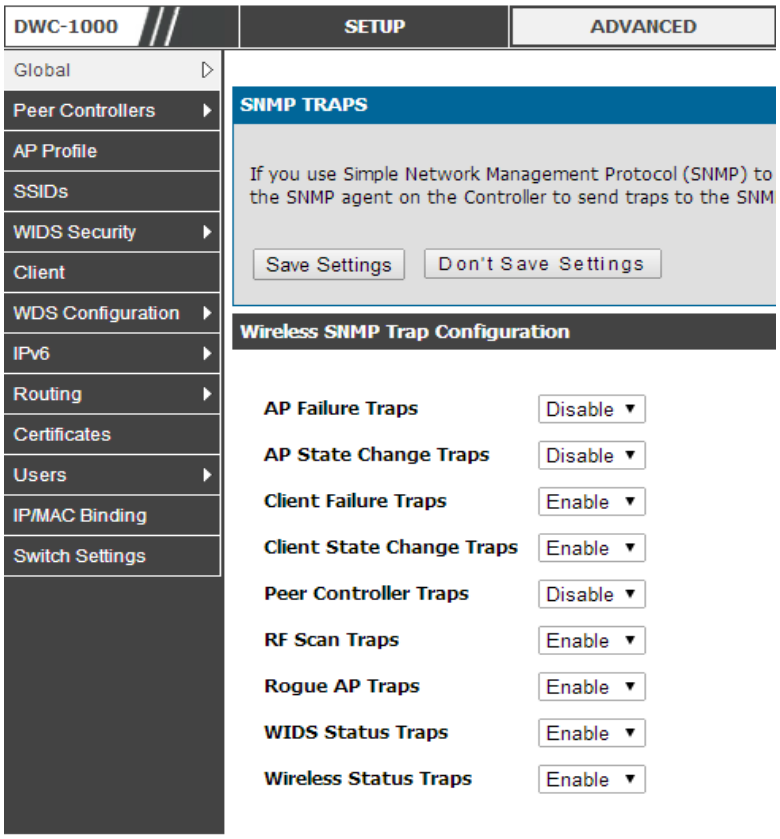
- DWC-1000 Device Name Configuration
- GUI Menu: Tools > Admin > Admin Settings



DWC-1000 (SNMP Configurations)

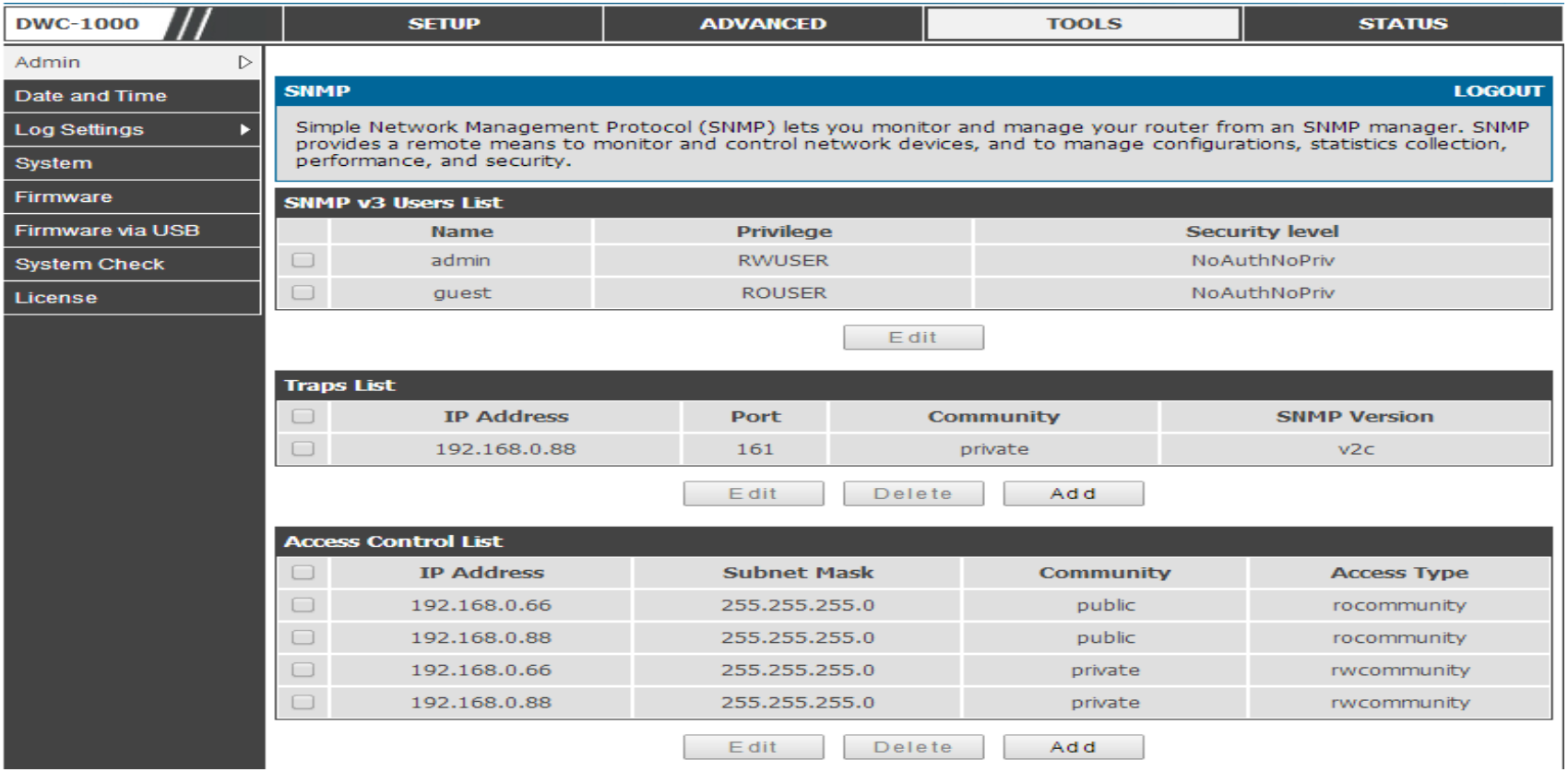
- DWC-1000





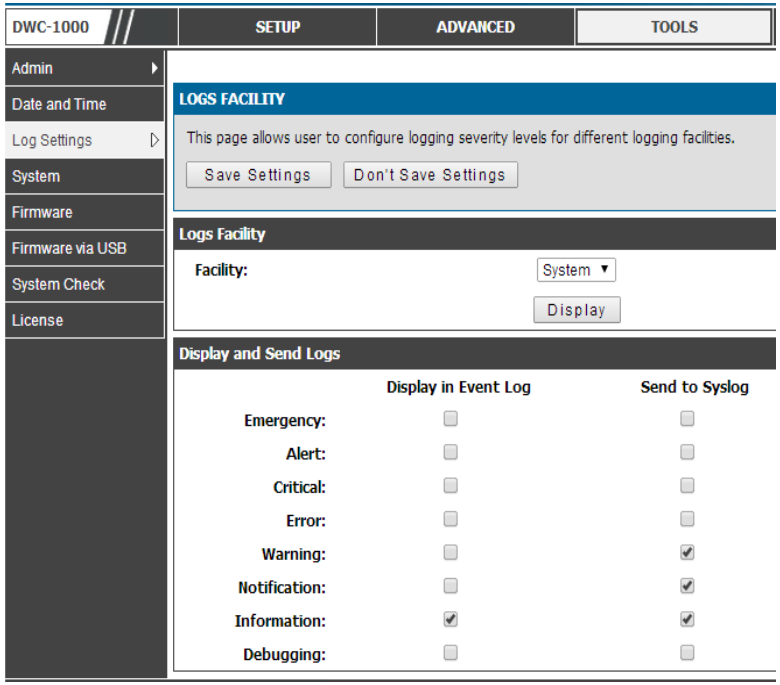
DWC-1000 (SNMP Configurations)

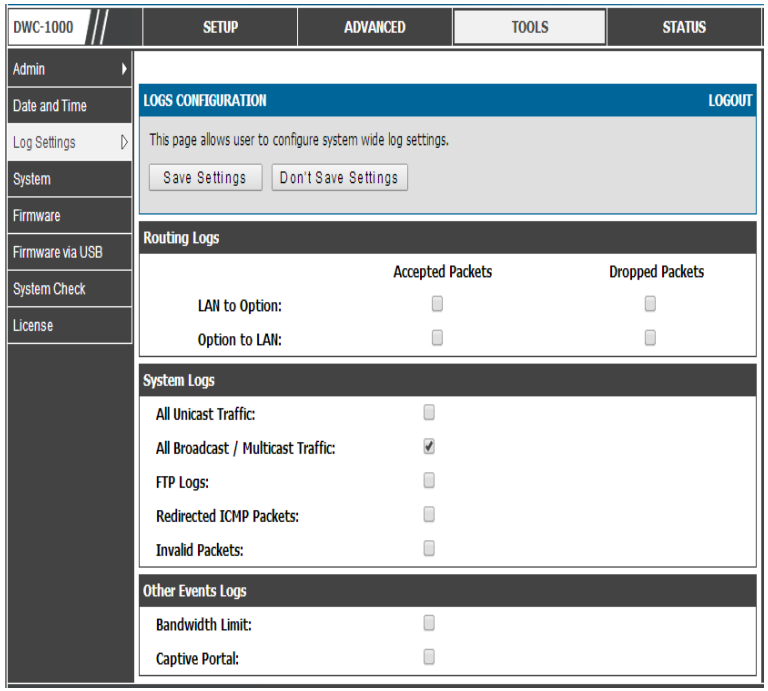
- Device SNMP Configuration (DWC-1000)
  - SNMP Access Control settings



DWC-1000 (SNMP Configurations)

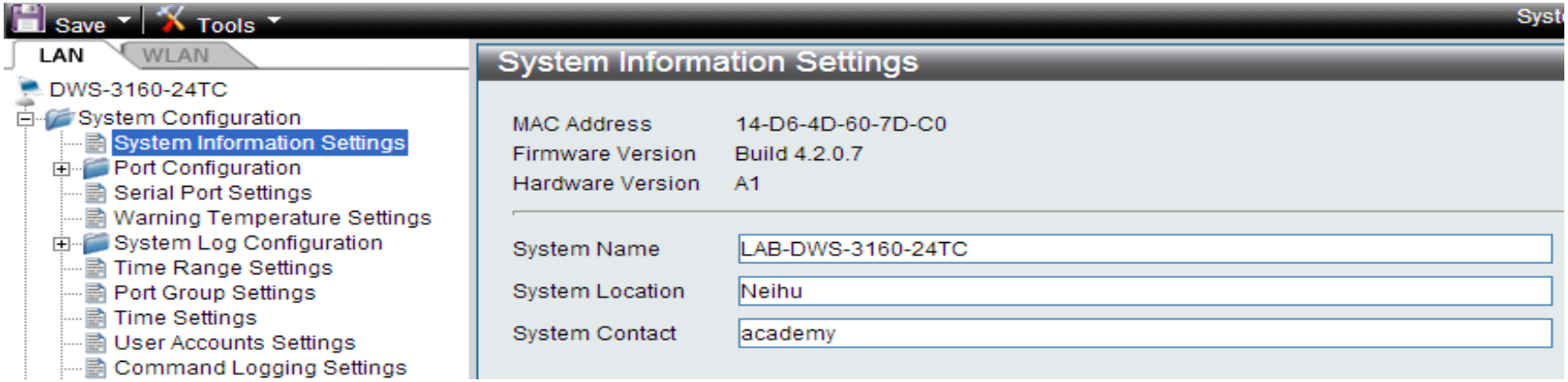
- DWC-1000 (Logs settings)

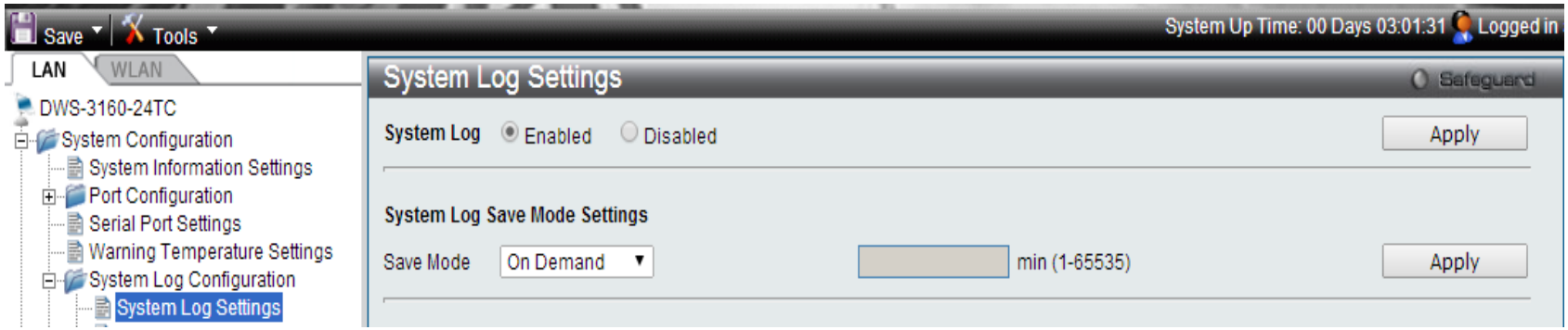




DWS-3160-24TC (SNMP Configurations)

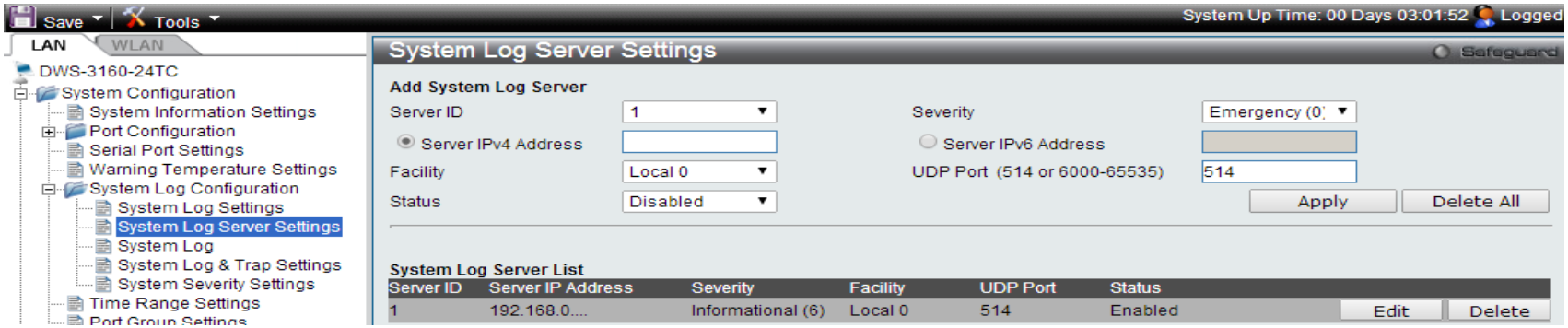
- DWS-3160-24TC

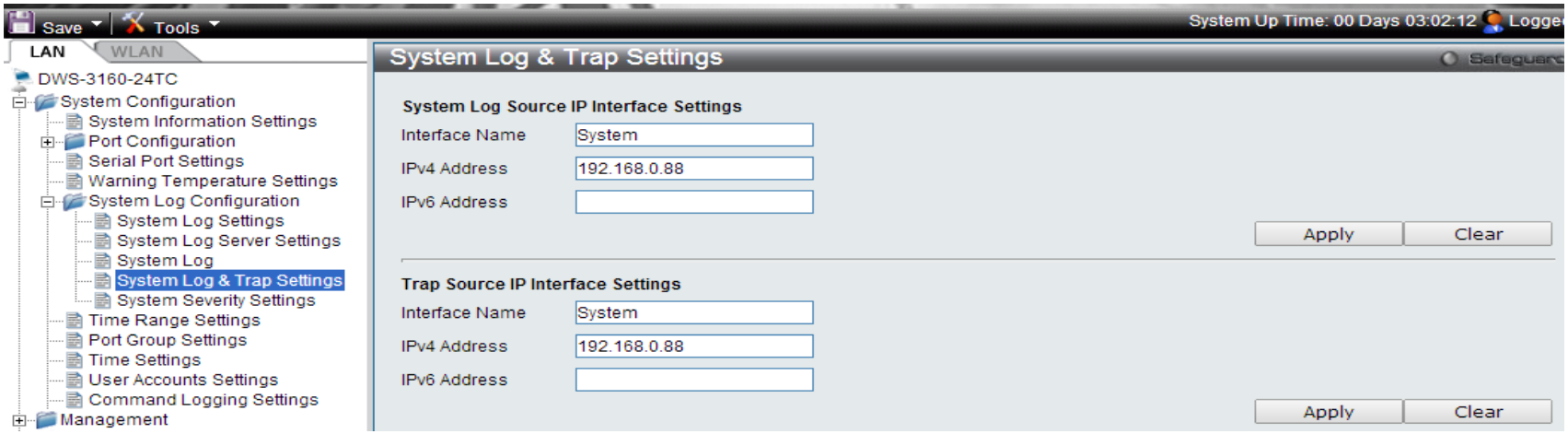




DWS-3160-24TC (SNMP Configurations)

- DWS-3160-24TC





DWS-3160-24TC (SNMP Configurations)

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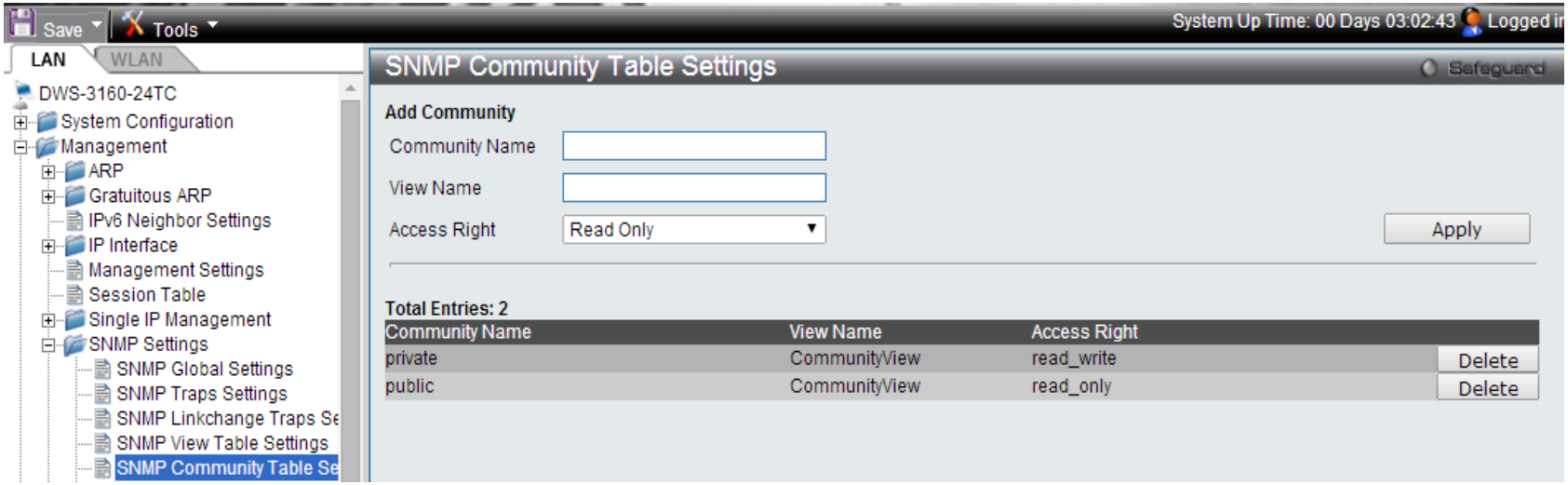
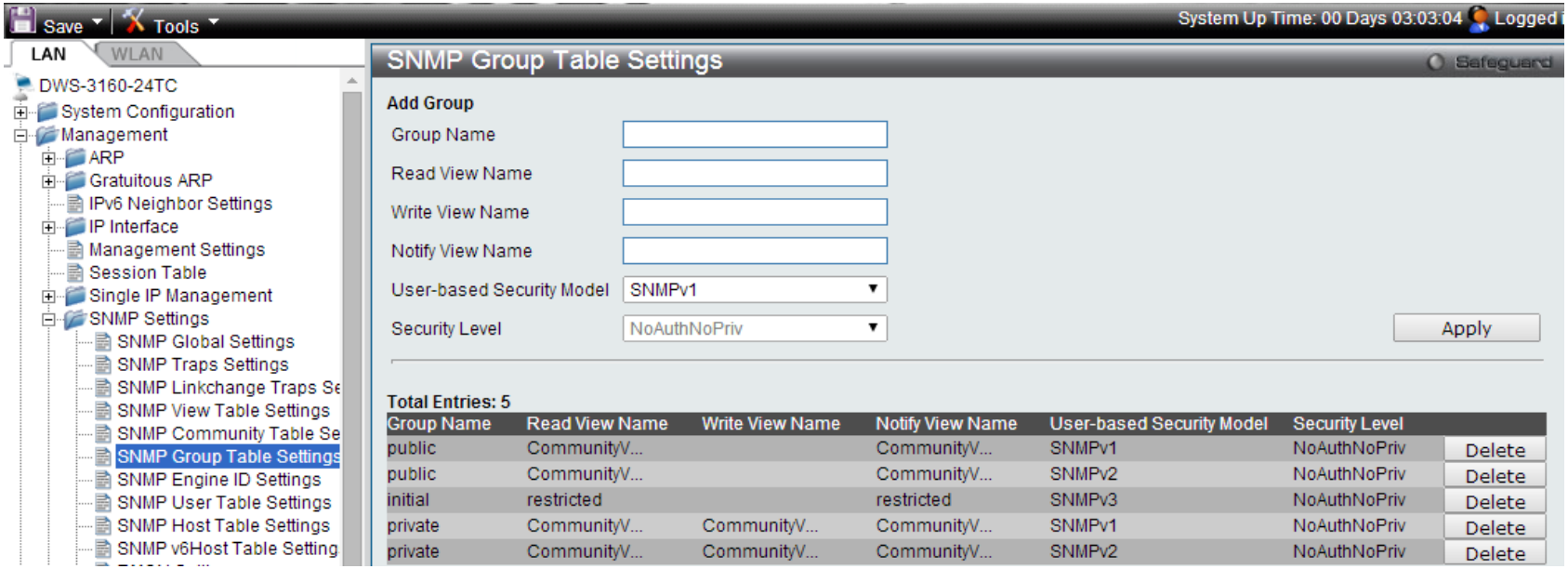


DWS-3160-24TC (SNMP Configurations)

- DWS-3160-24TC

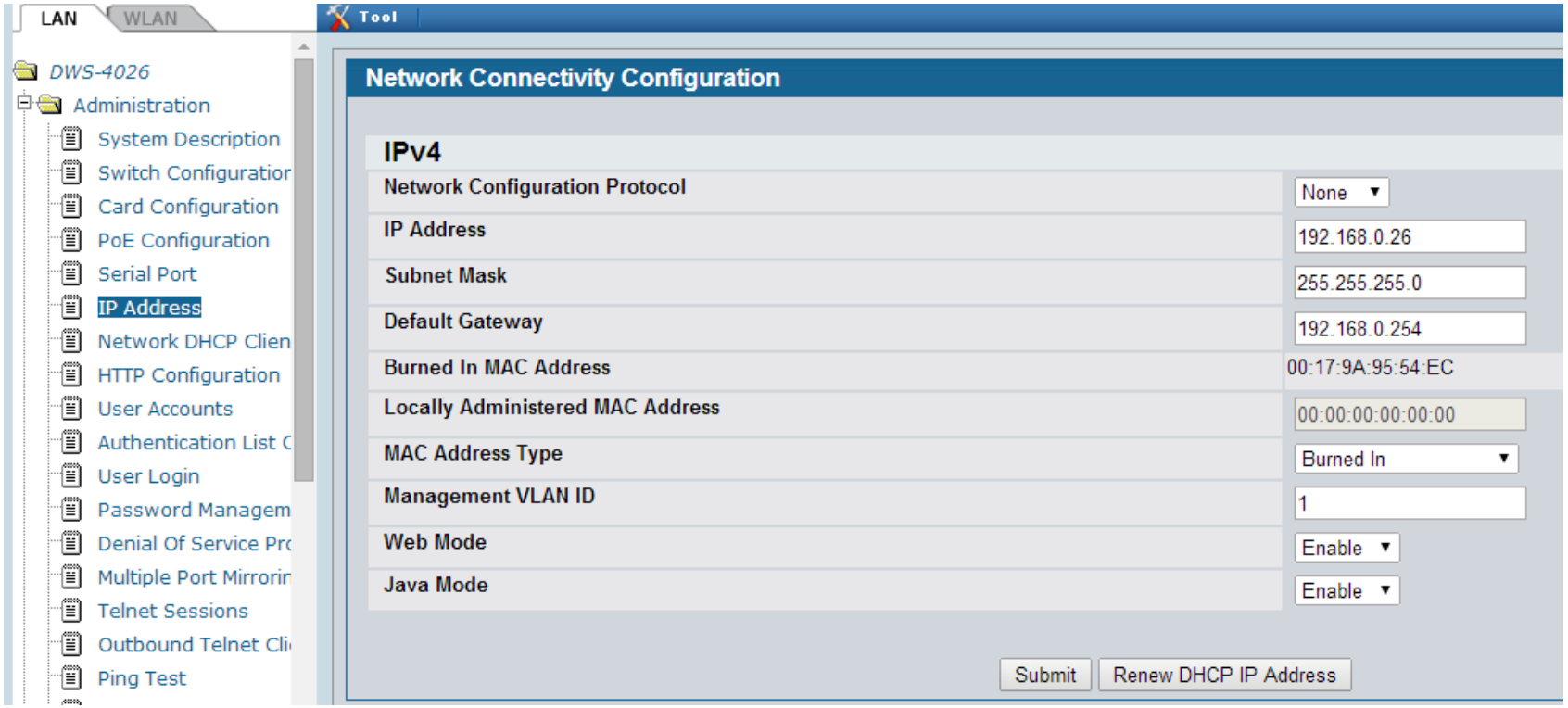


DWS-4026 (IP address & SNMP Configurations)

- CLI command
  - Power on the switch
  - Press the return key, and the User: prompt appears
  - Enter admin as the user name. There is no default password
  - Show running-config
  - network parms 192.168.0.26 255.255.255.0 192.168.0.254 or
  - network parms 192.168.0.26 255.255.255.0

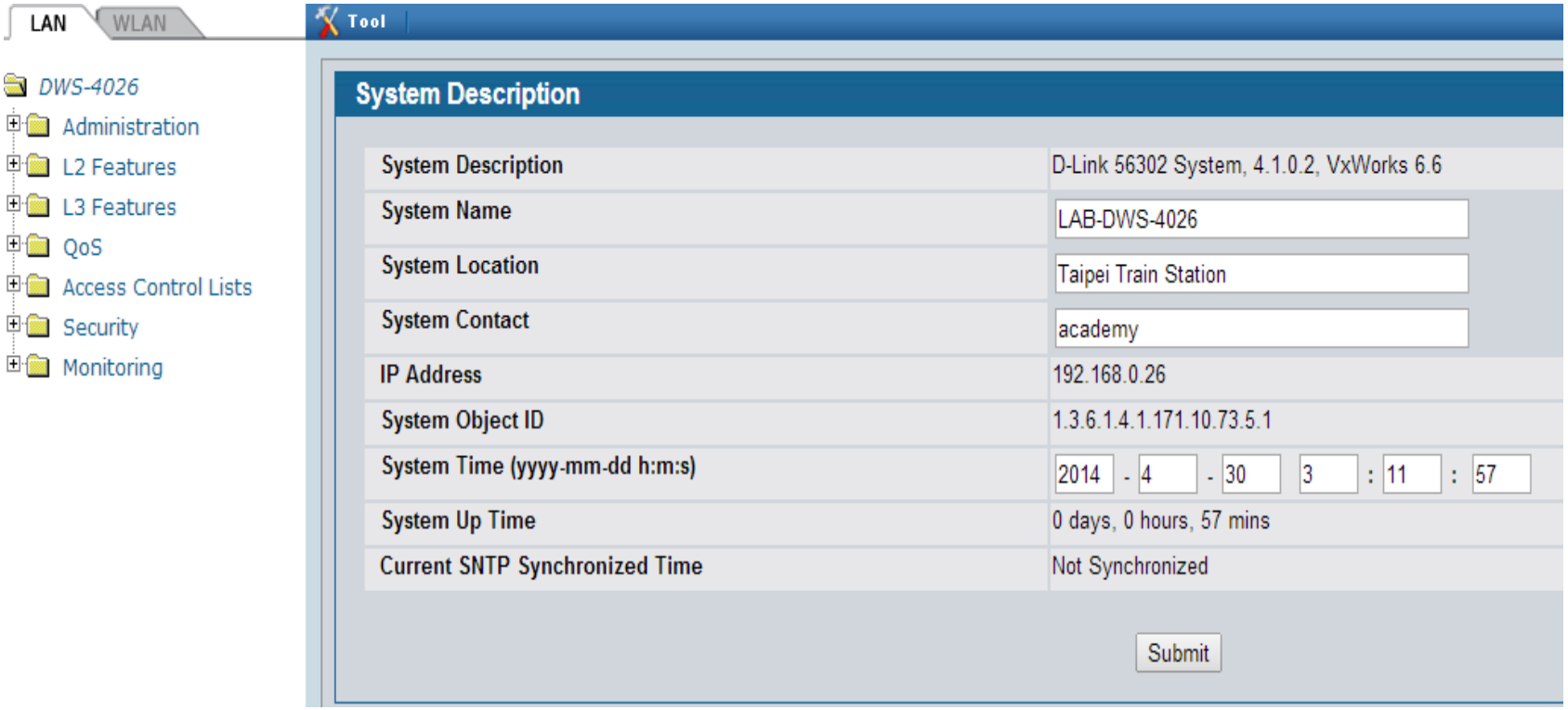
DWS-4026 (SNMP Configurations)

- DWS-4026



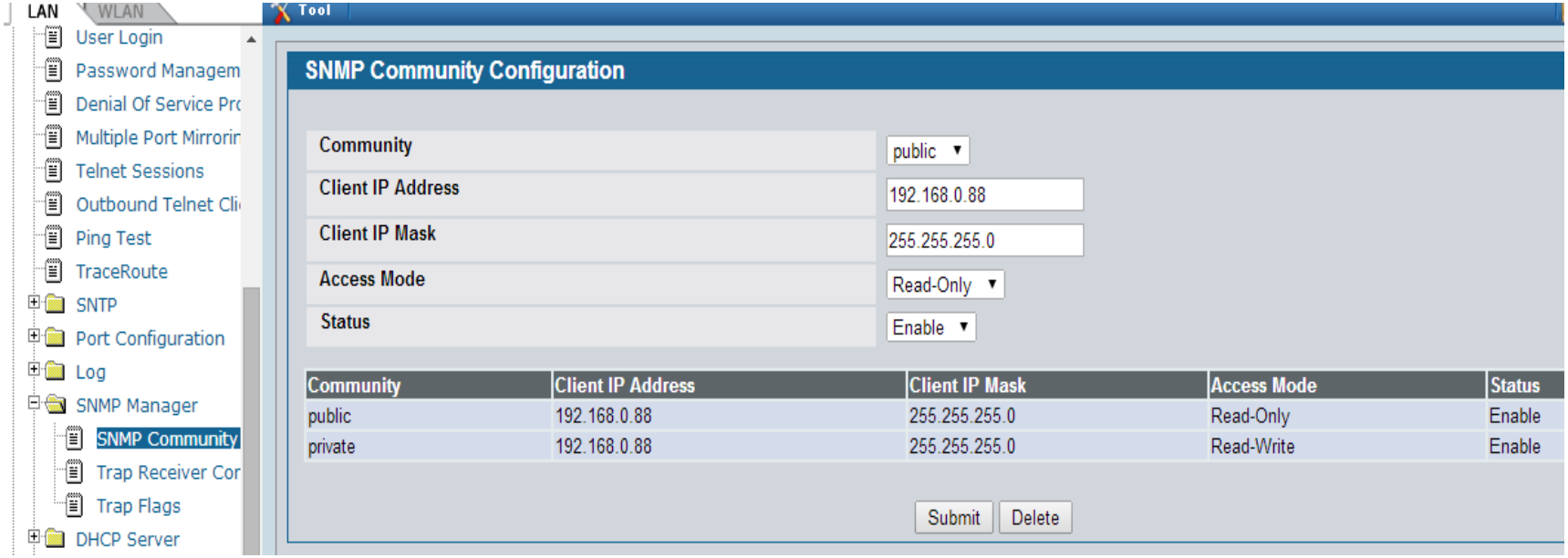
DWS-4026 (SNMP Configurations)

- DWS-4026



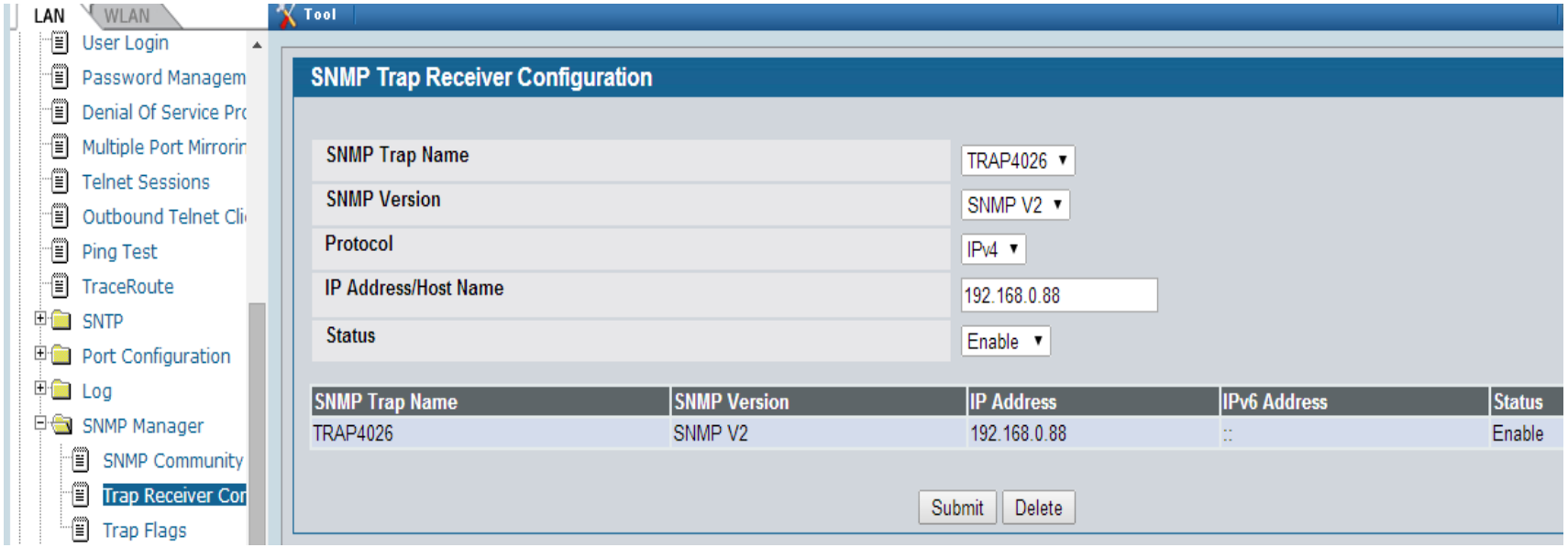
DWS-4026 (SNMP Configurations)

- DWS-4026



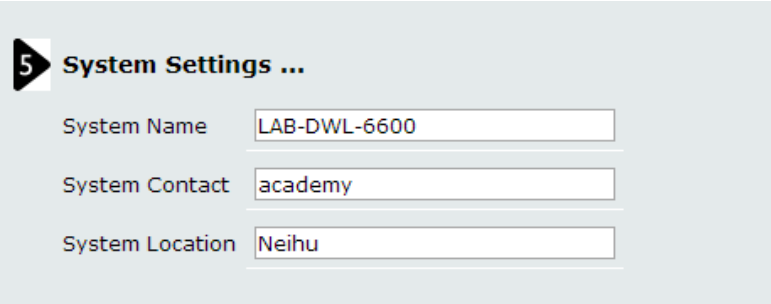
DWS-4026 (SNMP Configurations)

- DWS-4026



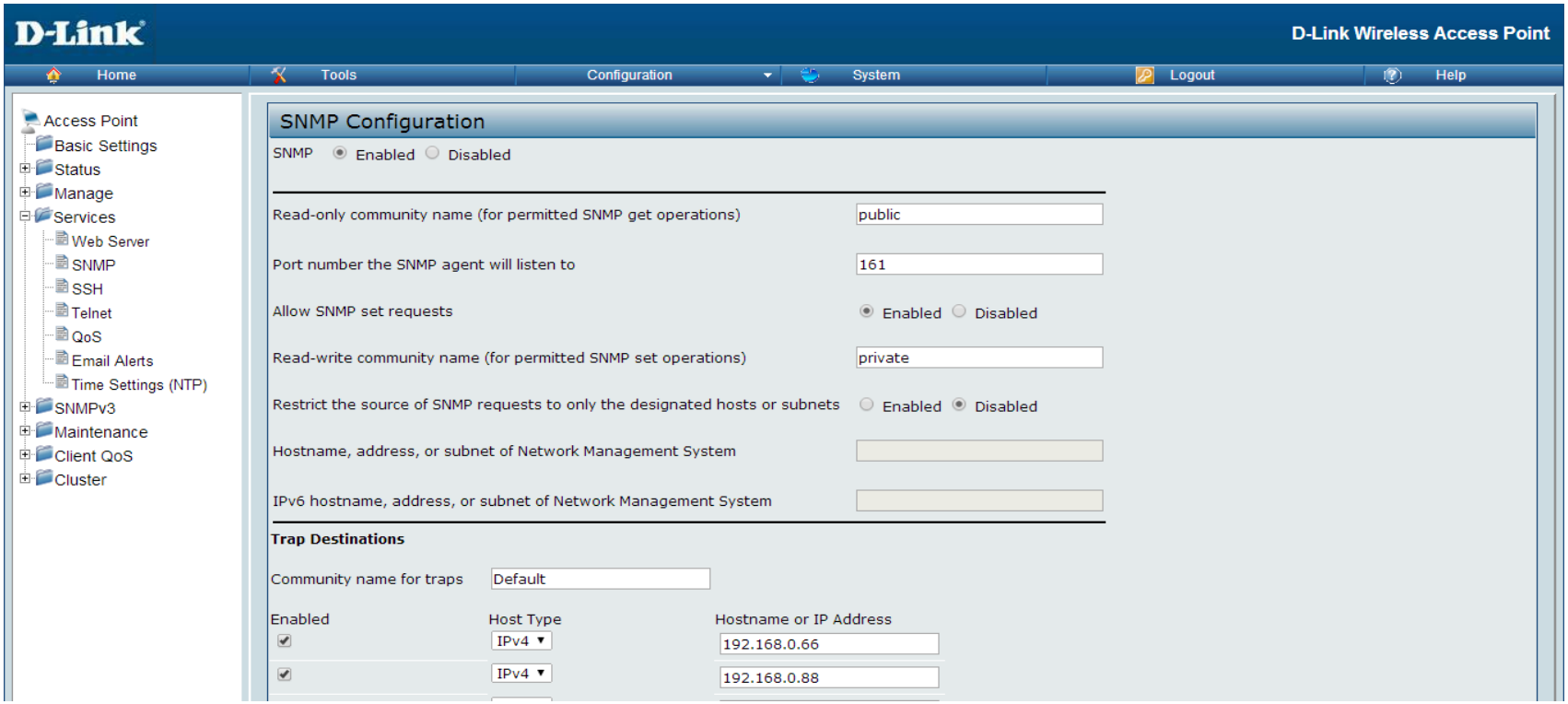
DWL-6600 (IP add & SNMP Configurations)

- DWL-6600
- CLI command
  - Get interface
  - Set interface brtrunk static-ip 192.168.0.60



DWL-6600 (SNMP Configurations)

- DWL-6600



DAP-2690 (CLI command)

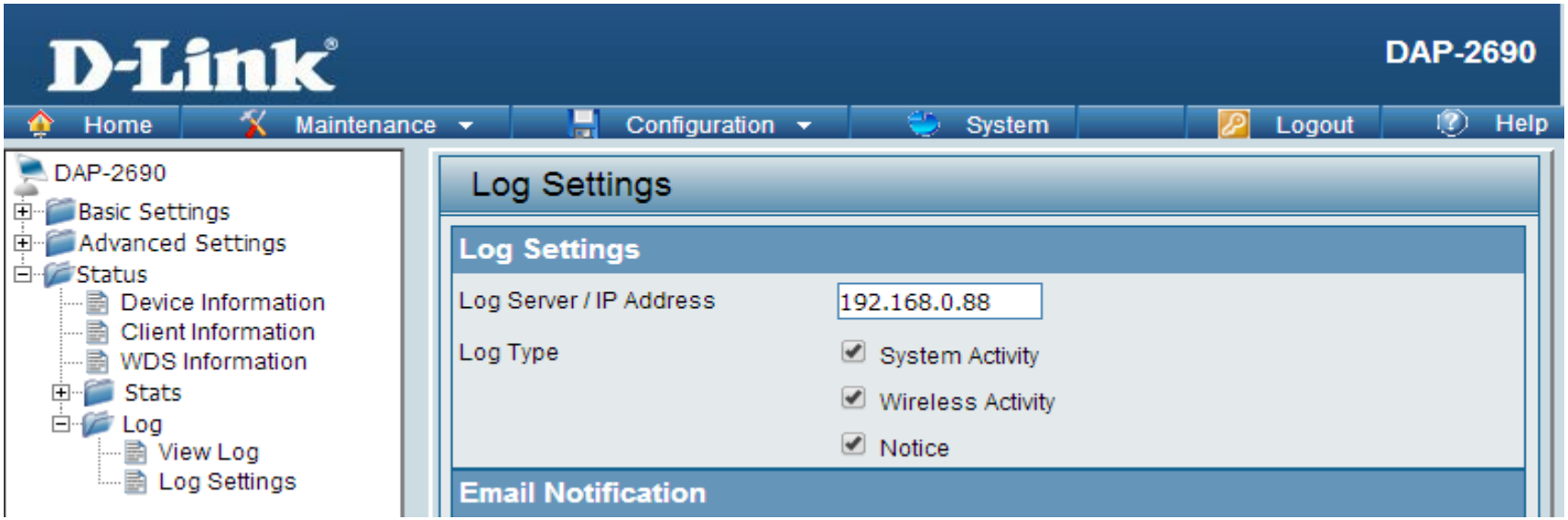
- DAP-2690 CLI command
- Get ipaddr
- Set ipaddr

DAP-2690 (SNMP Configurations)

- DAP-2690 SNMP Configurations

DAP-2690 (SNMP Configurations)

- DAP-2690 Log Settings



Agenda

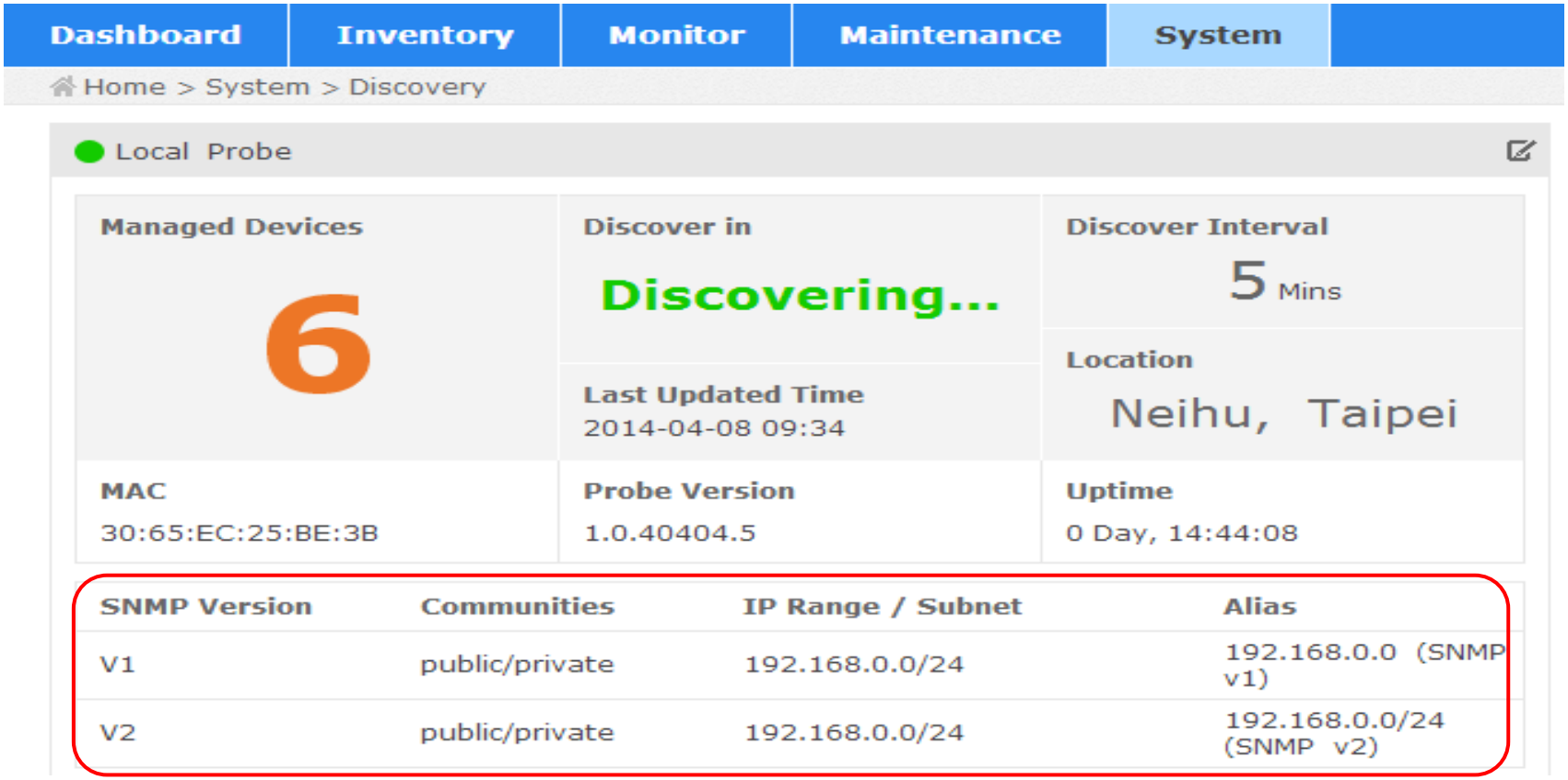
- Device List and Settings
- D-View 7 Probe Configuration
- User Account / Workspace Profile
- Sensor Configuration and Customized Sensors
- Dashboard Overview
- Network Topology
- Syslog and Trap Log

Probe

- Probe: a probe is the agent used to collect information from SNMP-enabled devices and then, pass those information to D-View 7 (Core Server)
- Local Probe: a probe is installed in D-View 7 core server
- Remote Probe: a probe is installed in a separated system

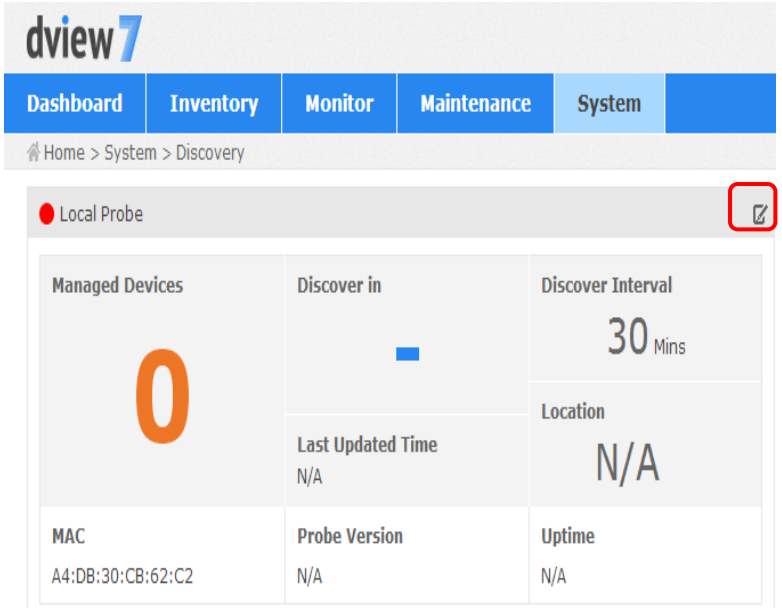
Local Probe Discovery

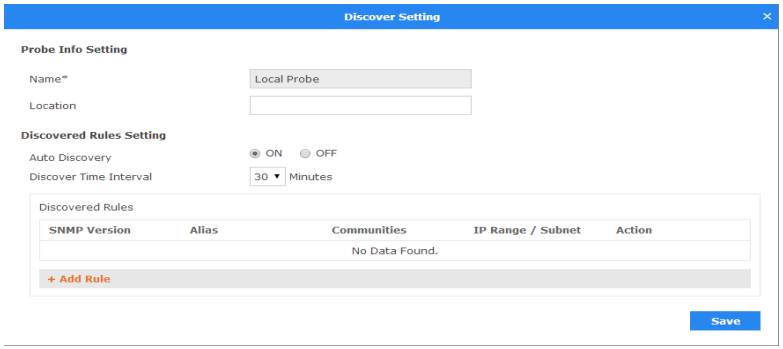
- GUI Menu: Home > System > Discovery
- Configure probe settings similar like the following

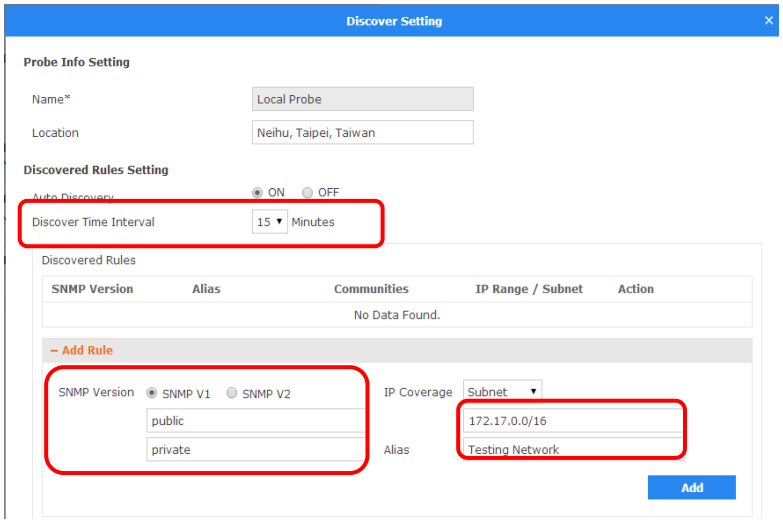


Adding Device into D-View (1/6)

- GUI menu: Home > System > Discovery > Edit icon
- Add Rule
  - Location: Neihu, Taipei
  - Discover Time Interval: 15 min
  - IP Network: 192.168.0.0/24

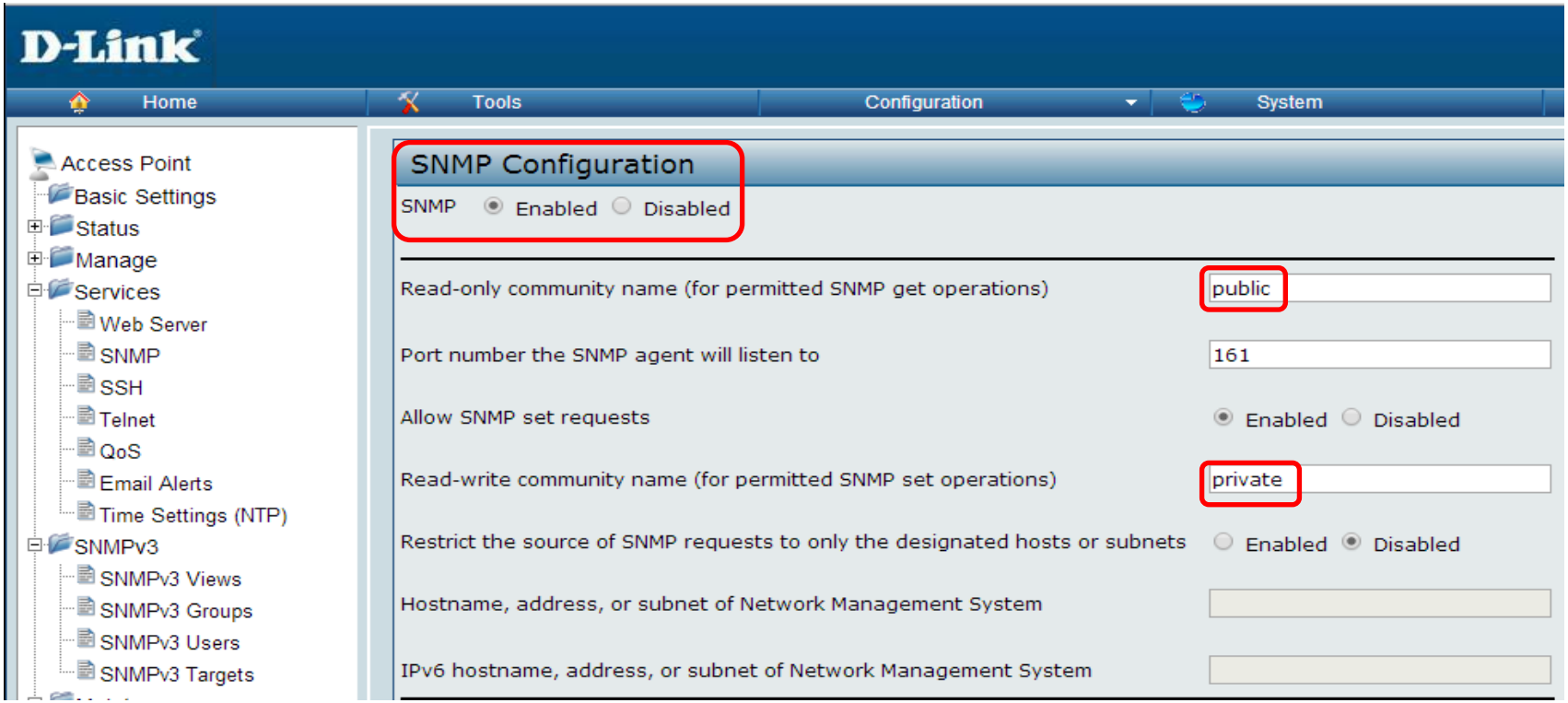






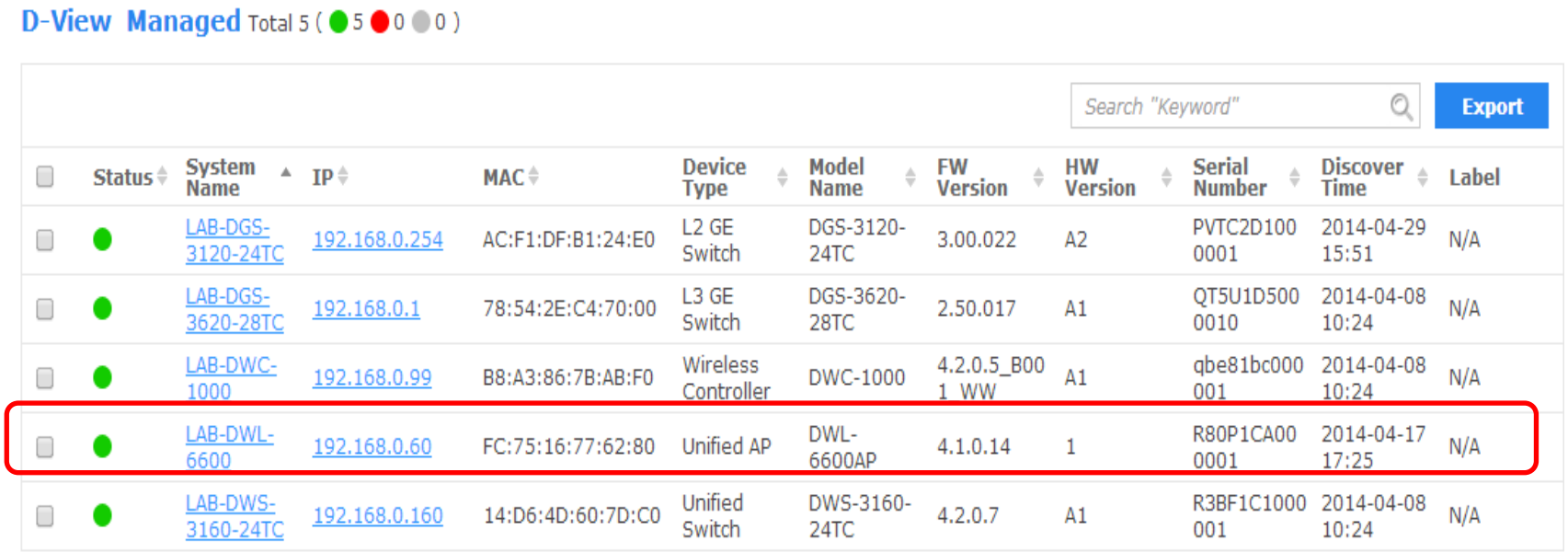
Adding Device into D-View (2/6)

- Monitored device SNMP configurations
- Example: DWL-8600AP



Adding Device into D-View (3/6)

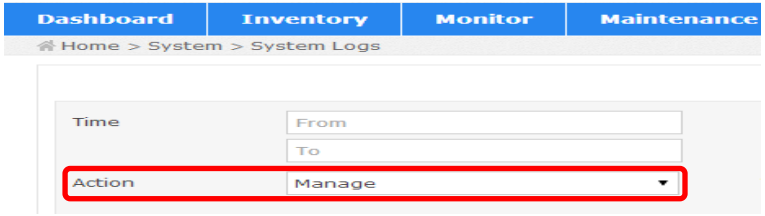
- Unified Wireless AP added here
  - Wireless 6600AP (192.168.0.60)
- D-Link devices will be automatically categorized as managed device, if license usage has not been exceeded



Status	System Name	IP	MAC	Device Type	Model Name	FW Version	HW Version	Serial Number	Discover Time	Label
●	LAB-DGS-3120-24TC	192.168.0.254	AC:F1:DF:B1:24:E0	L2 GE Switch	DGS-3120-24TC	3.00.022	A2	PVTC2D1000001	2014-04-29 15:51	N/A
●	LAB-DGS-3620-28TC	192.168.0.1	78:54:2E:C4:70:00	L3 GE Switch	DGS-3620-28TC	2.50.017	A1	QT5U1D5000010	2014-04-08 10:24	N/A
●	LAB-DWC-1000	192.168.0.99	B8:A3:86:7B:AB:F0	Wireless Controller	DWC-1000	4.2.0.5_B001_WW	A1	qbe81bc000001	2014-04-08 10:24	N/A
●	LAB-DWL-6600	192.168.0.60	FC:75:16:77:62:80	Unified AP	DWL-6600AP	4.1.0.14	1	R80P1CA000001	2014-04-17 17:25	N/A
●	LAB-DWS-3160-24TC	192.168.0.160	14:D6:4D:60:7D:C0	Unified Switch	DWS-3160-24TC	4.2.0.7	A1	R3BF1C1000001	2014-04-08 10:24	N/A

Adding Device into D-View (4/6)

- Where could I find out a device being automatically re-categorized as 'managed' ?
- GUI menu: Home > System > System Logs
- Advanced search: Action, Manage



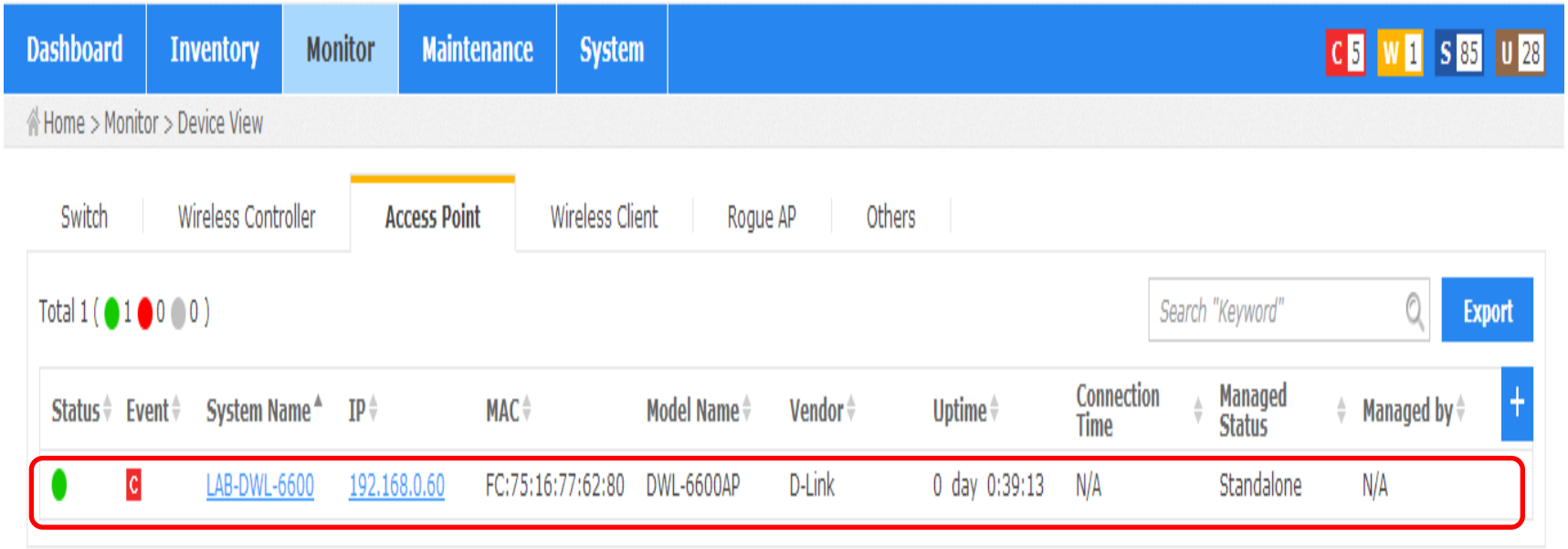
Home > System > System Logs

Advanced Search | Export

Time	Category	User	Action	Target
2014-04-29 17:59	User	dlink	Login	N/A
2014-04-29 17:59	User	admin	Login	N/A
2014-04-29 17:49	Device	admin	Manage	LAB-DGS-3620-28TC (192.168.0.1)
2014-04-29 17:49	User	admin	Create	dlink
2014-04-29 17:32	Device	admin	Manage	LAB-DWL-6600II (192.168.0.6)
2014-04-29 17:24	Device	admin	Manage	LAB-DWL-6600II (192.168.0.58)
2014-04-29 17:22	Device	admin	Manage	LAB-DWS-3160-24TC (192.168.0.160)
2014-04-29 17:17	Device	admin	Manage	LAB-DWC-1000 (192.168.0.99)

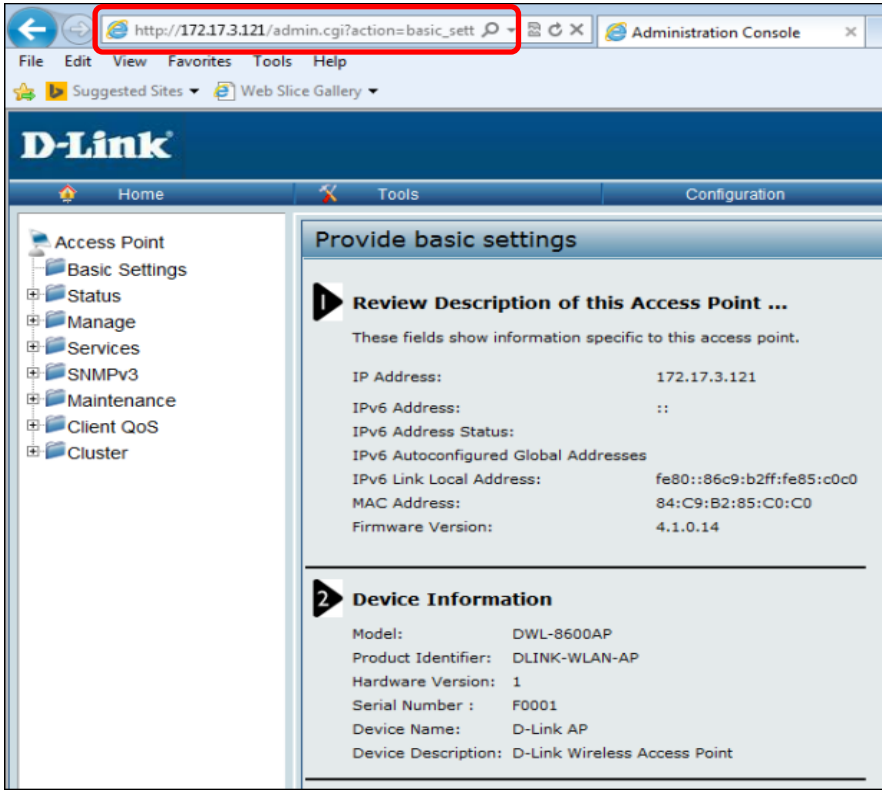
Adding Device into D-View (5/6)

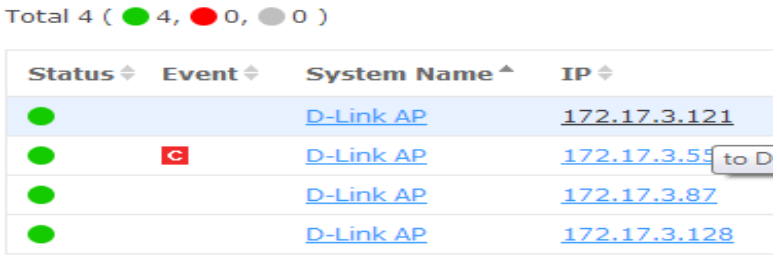
- Quiz: where could I also view managed wireless devices?
- Home > Monitor > Device View > Access Point

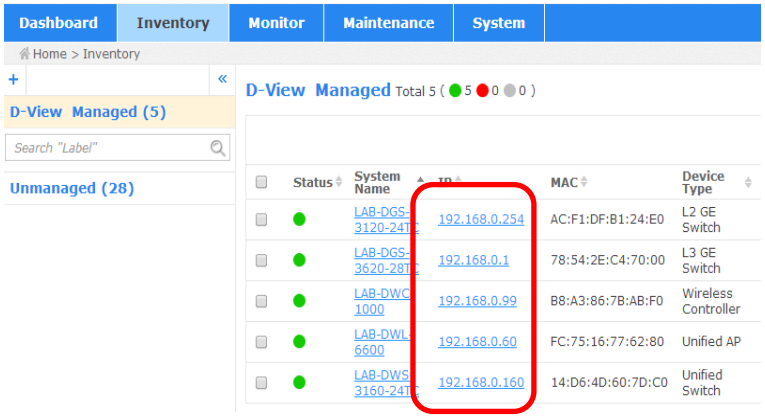


Adding Device into D-View (6/6)

- Quiz: If I would like to login a device's web GUI to see some configuration, what should I do
- Double click the IP hyperlink,







Managed vs. Unmanaged

- D-View 7 Managed vs. Unmanaged

D-View Managed Total 4 (4 0 0)

Search "Keyword" Export

Status	System Name	IP	MAC	Device Type	Model Name	FW Version	HW Version	Serial Number	Discover Time	Label
●	LAB-DGS-3120-24TC	192.168.0.254	AC:F1:DF:B1:24:E0	L2 GE Switch	DGS-3120-24TC	3.00.022	A2	PVTC2D1000001	2014-04-07 15:51	N/A
●	LAB-DWC-1000	192.168.0.99	B8:A3:86:7B:AB:F0	Wireless Controller	DWC-1000	4.2.0.5_B001_WW	A1	qbe81bc000001	2014-04-07 18:52	N/A
●	LAB-DWL-6600	192.168.0.60	90:94:E4:86:BC:C0	Unified AP	DWL-6600AP	4.1.0.11	1	R80T1CA000007	2014-04-07 16:33	N/A
●	LAB-DWS-3160-24TC	192.168.0.160	14:D6:4D:60:7D:C0	Unified Switch	DWS-3160-24TC	4.2.0.7	A1	R3BF1C1000001	2014-04-07 15:51	N/A

Unmanaged Total 7

Search "Keyword" Export

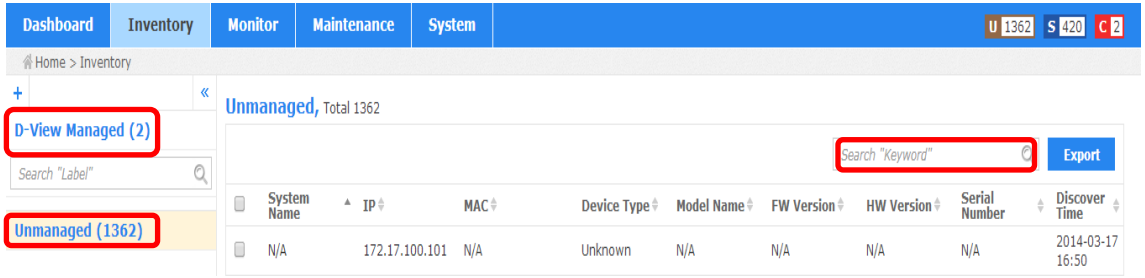
System Name	IP	MAC	Device Type	Model Name	FW Version	HW Version	Serial Number	Discover Time
N/A	192.168.0.66	N/A	Unknown	N/A	N/A	N/A	N/A	2014-04-07 15:51
N/A	192.168.0.8	N/A	Unknown	N/A	N/A	N/A	N/A	2014-04-07 15:51
N/A	192.168.0.88	N/A	Unknown	N/A	N/A	N/A	N/A	2014-04-07 15:51
LAB-DAP-2690	192.168.0.95	CC:B2:55:21:26:90	Standalone AP	DAP-2690	1.15	N/A	N/A	2014-04-07 16:19
LAB-DAP-2690	192.168.0.50	78:54:2E:AD:6B:D0	Unknown	N/A	N/A	N/A	N/A	2014-04-09 10:45
LAB-DGS-3620-28TC	192.168.0.36	78:54:2E:C4:70:00	L3 GE Switch	DGS-3620-28TC	N/A	N/A	N/A	2014-04-07 18:43
LAB-DWS-4026	192.168.0.26	00:17:9A:95:54:EC	Unified Switch	DWS-4026	4.1.0.2	N/A	PV0M1B9000029	2014-04-11 18:05

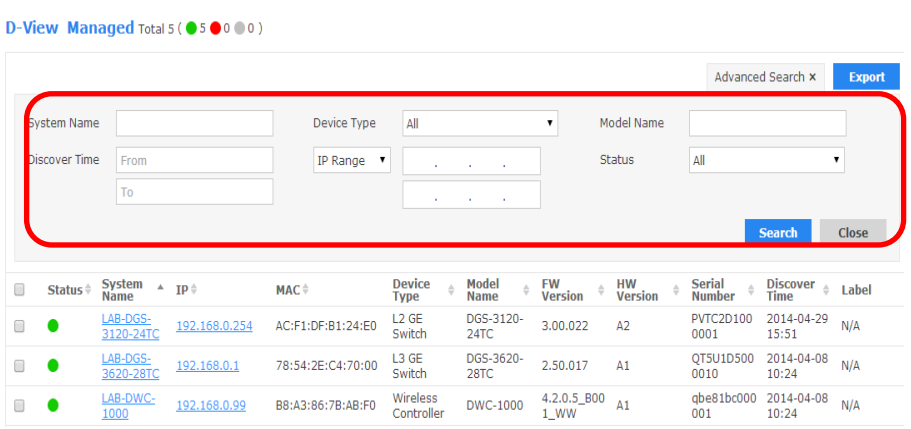
Device Category Concept

- D-Link devices will be automatically categorized as managed device, if license usage has not been exceeded
- If a device is being moved to ‘unmanged’, then, it will be staying at that category, unless manually re-categorized
- The device deletion in ‘unmanged mode’ would remove any history associated on that device

Device re-category (1/3)

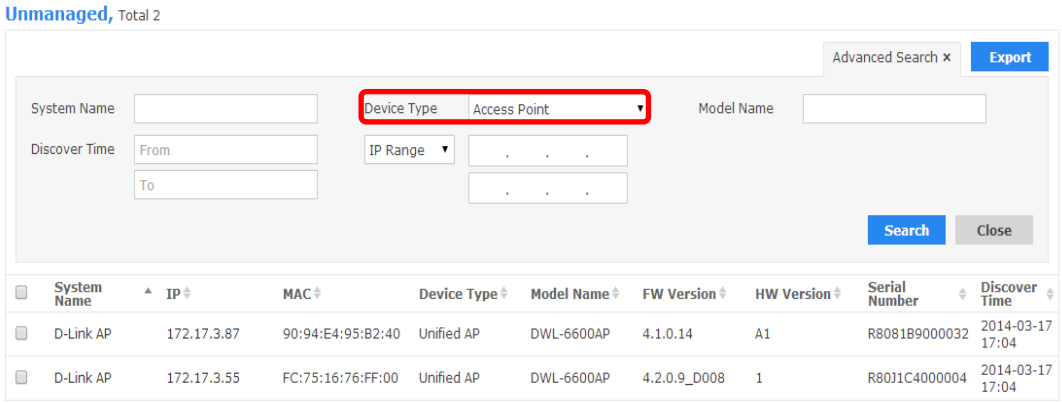
- Scenario: After SNMP configuration, you have received additional devices, in 'unmanaged' mode, what should we do to re-classify them to 'managed'?
- GUI menu: Home > Inventory > Unmanaged > Device Type

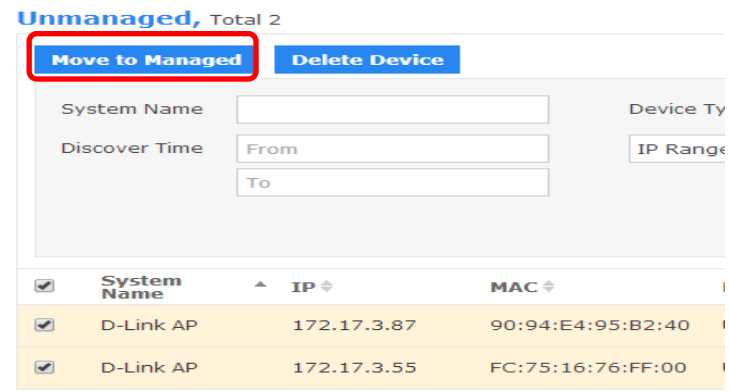




Device re-category (2/3)

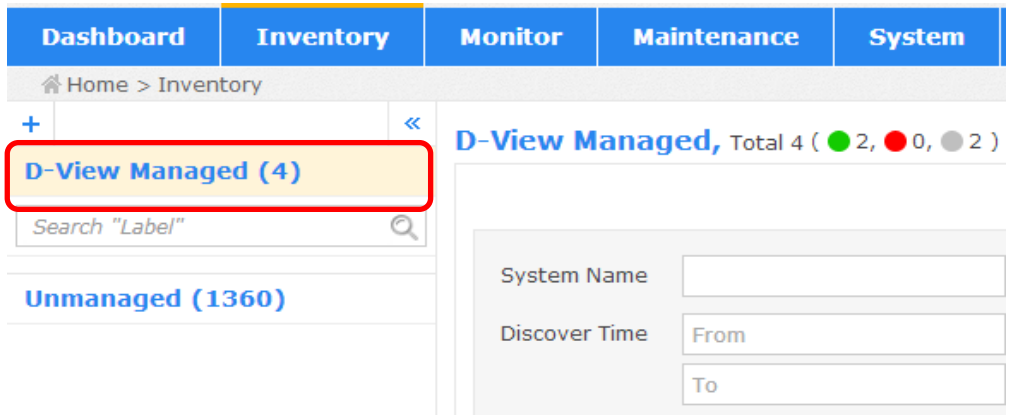
- Device Type goes to Access Point
- Check those 2 devices and double click ‘move to managed’





Device re-category (3/3)

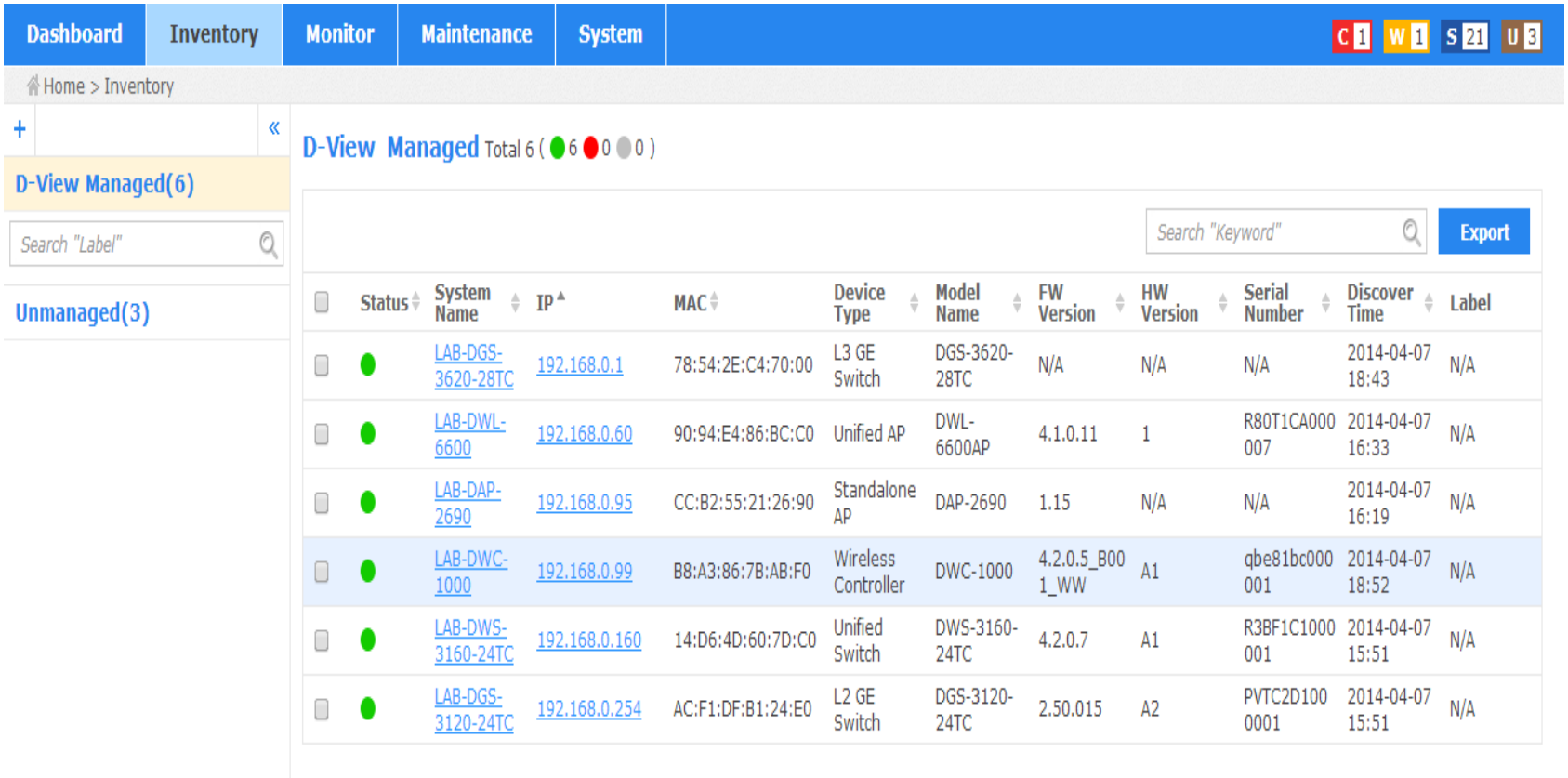
- Verification, GUI menu: Home > Inventory



Status	System Name	IP	MAC	Device Type	Model Name	FW Version	HW Version	Serial Number	Discover Time	Label
●	D-Link AP	172.17.3.121	84:C9:B2:85:C0:C0	Unified AP	DWL-8600AP	4.1.0.14	1	F0001	2014-03-17 17:04	N/A
●	D-Link AP	172.17.3.55	FC:75:16:76:FF:00	Unified AP	DWL-6600AP	4.2.0.9_D008	1	R80J1C4000004	2014-03-17 17:04	N/A
●	D-Link AP	172.17.3.87	90:94:E4:95:B2:40	Unified AP	DWL-6600AP	4.1.0.14	A1	R8081B9000032	2014-03-17 17:04	N/A
●	D-Link AP	172.17.3.128	90:94:E4:86:BC:C0	Unified AP	DWL-6600AP	4.1.0.11	1	R80T1CA000007	2014-03-17 19:59	N/A

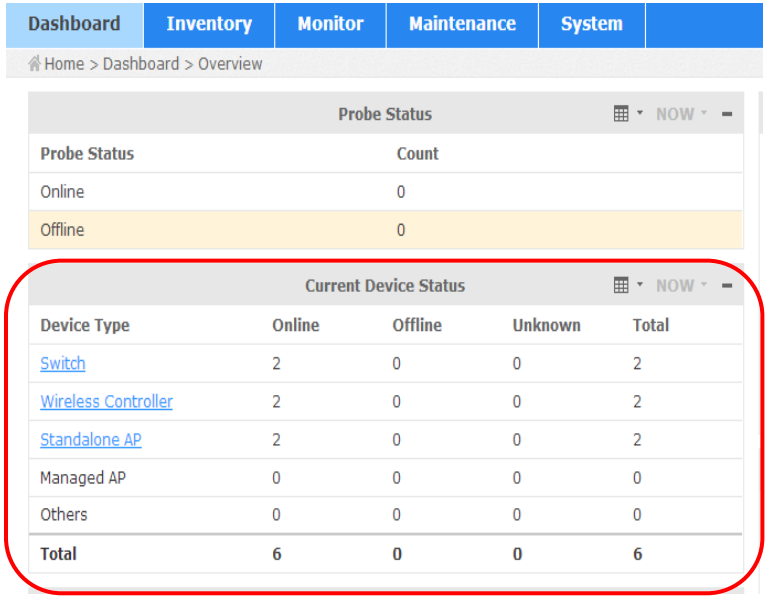
Managed Device List Lab Practice

- Devices would show in 'Unmanaged' category first
- Move selected items to 'D-View Managed'



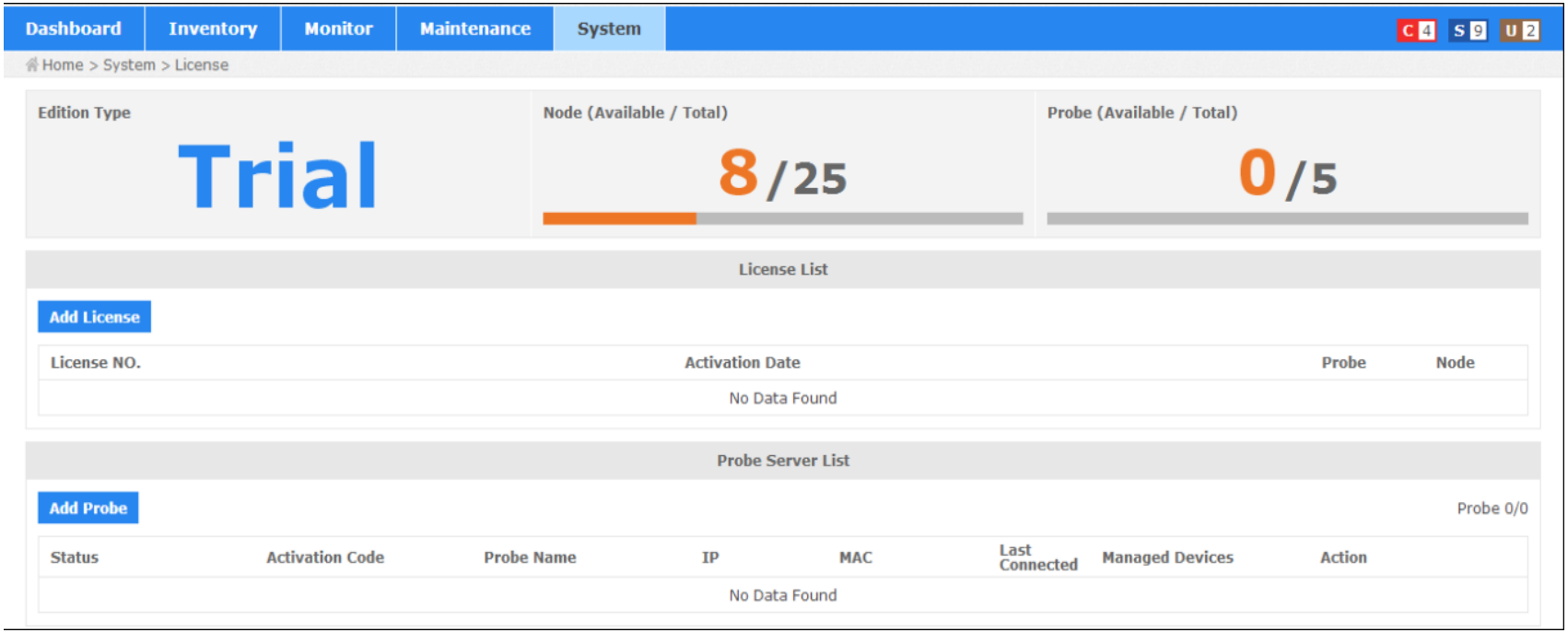
Device Overview Lab Practice

- Quiz: Where could provide a summary of monitored devices, separated by device category?
- GUI Menu: Home > Dashboard > Overview



System License

- View D-View License
- GUI Menu: Home > System > License
- Quiz: What is the number of available Probe?
- Quiz: Does the probe with core server occupy the license count?

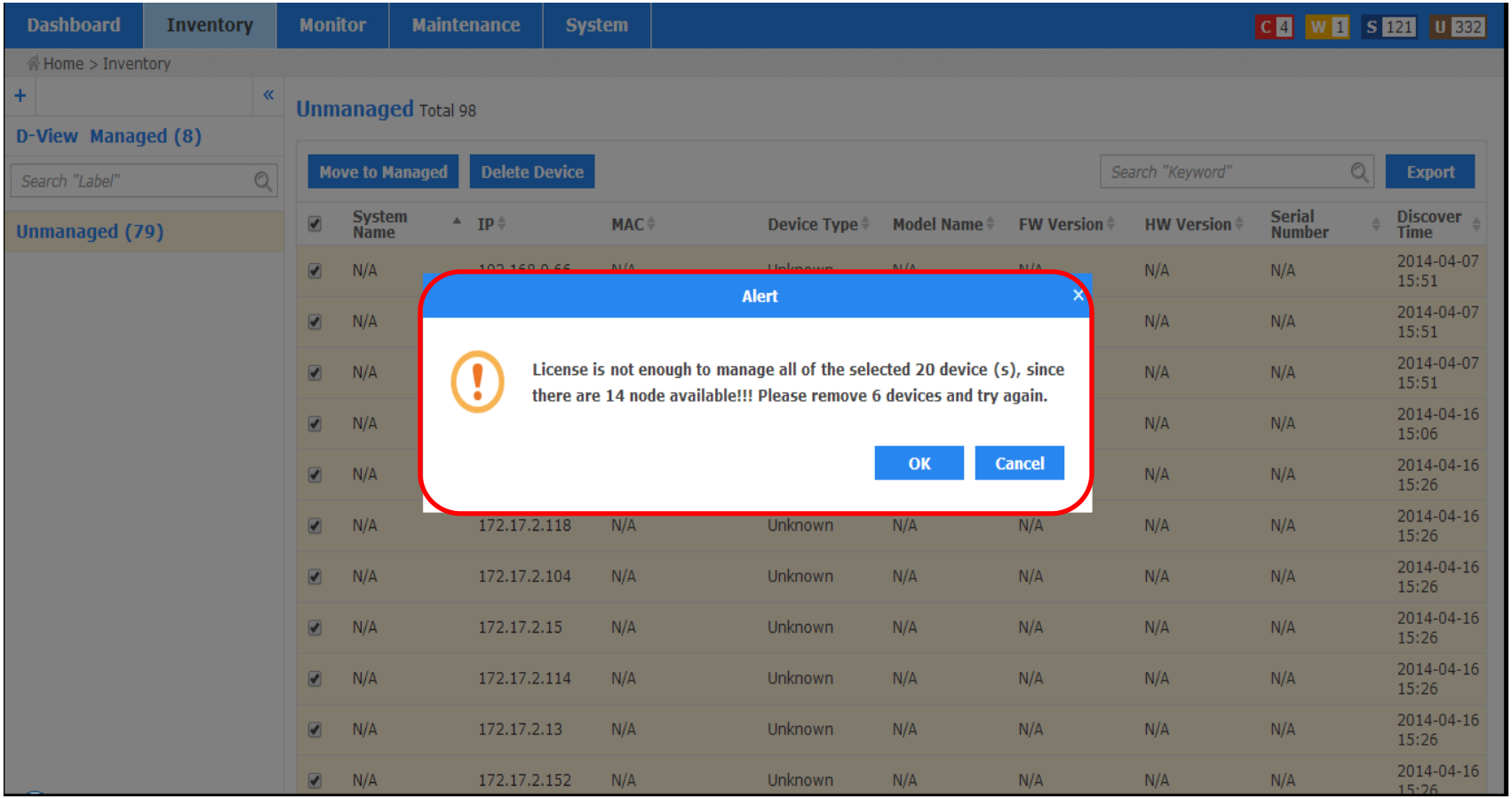


Quiz (exceed license count)

- Scenario: You have configured 8 devices as managed devices in your D-View 7 trial edition. Now you want to move another 20 devices from unmanaged status to managed. Is that possible?

Quiz (exceed license count)

- FYI

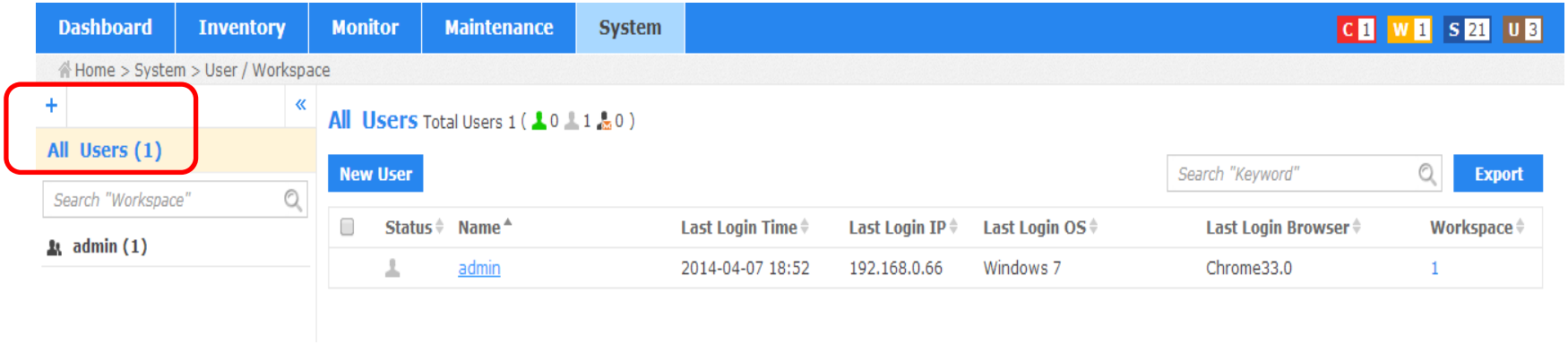


Agenda

- Device List and Settings
- D-View 7 Probe Configuration
- User Account / Workspace Profile
- Sensor Configuration and Customized Sensors
- Dashboard Overview
- Network Topology
- Syslog and Trap Log

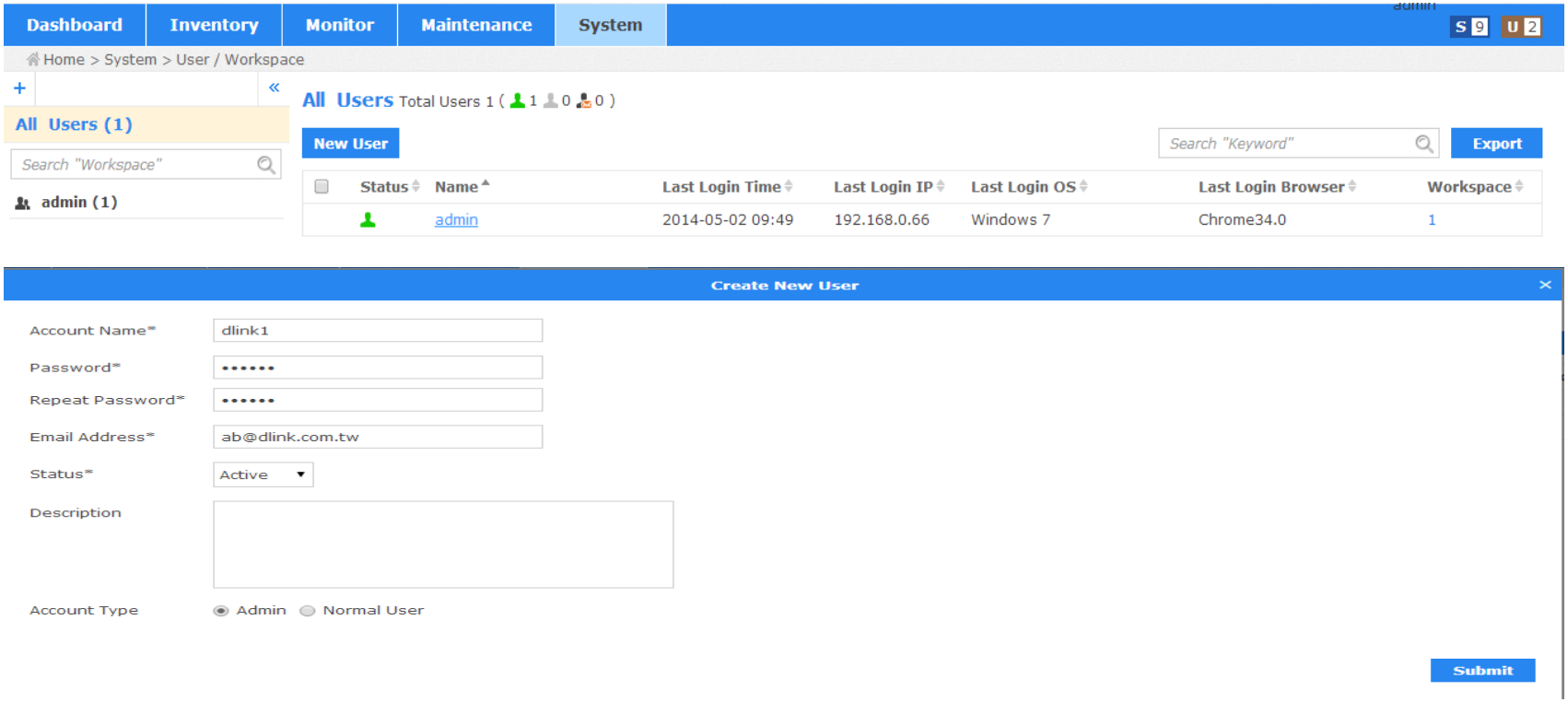
User Account Overview

- Default user account: admin
- GUI Menu: Home > System > User / Workspace



User Account Creation

- GUI Menu: Home > System > User / Workspace
- Account Name: dlink; password: 123456
- Account Type (privileges): Admin; Active status

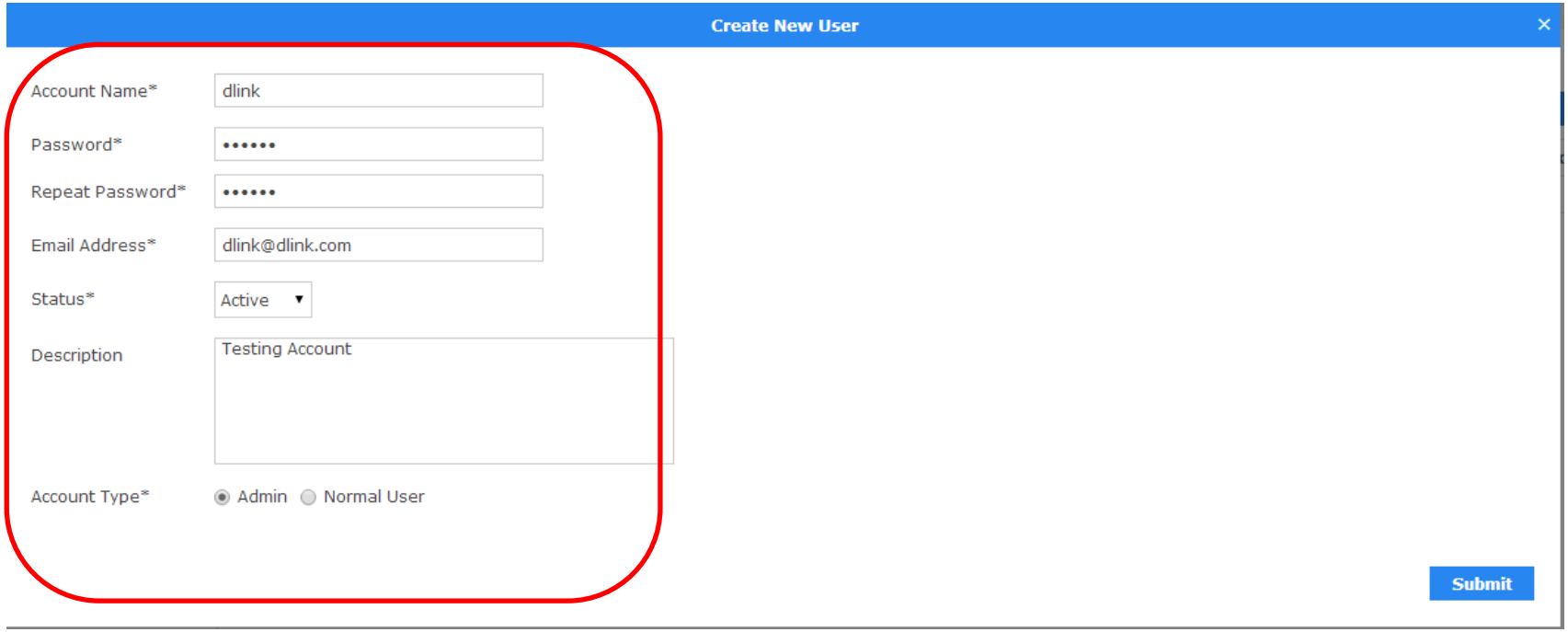


User Account Creation

- Team 1(x =1); Team 2(x =2); Team 3(x =3); Team 4(x =4)
- Student 1: user account: dlinkx1, password: 123456
- Student 2: user account: dlinkx2, password: 123456
- Student 3: user account: dlinkx3, password: 123456
- Student 4: user account: dlinkx4, password: 123456
- Administrator user right
- Active immediately
- Launch your browser and login to D-View using the following url
- http:192.168.0.x8/DView7

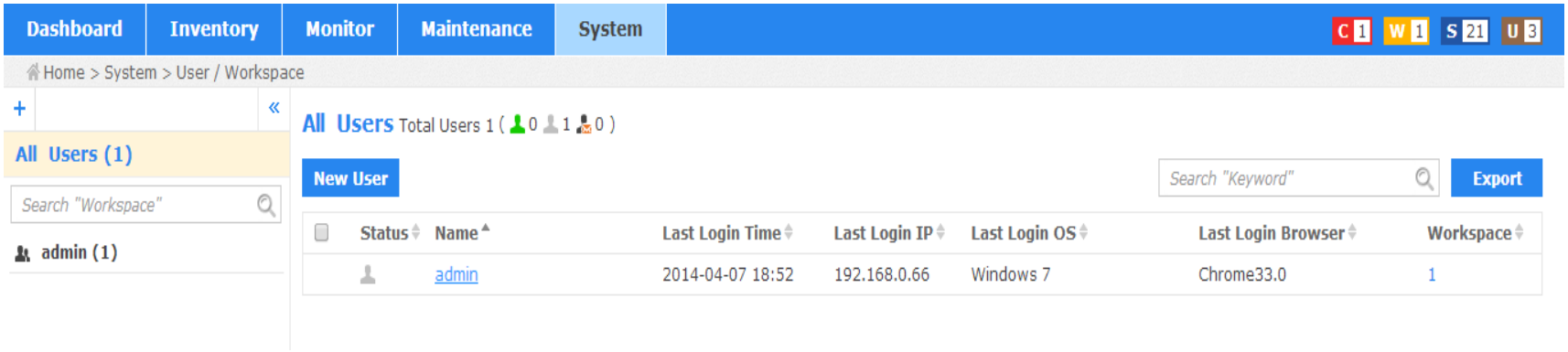
User Account Creation Lab

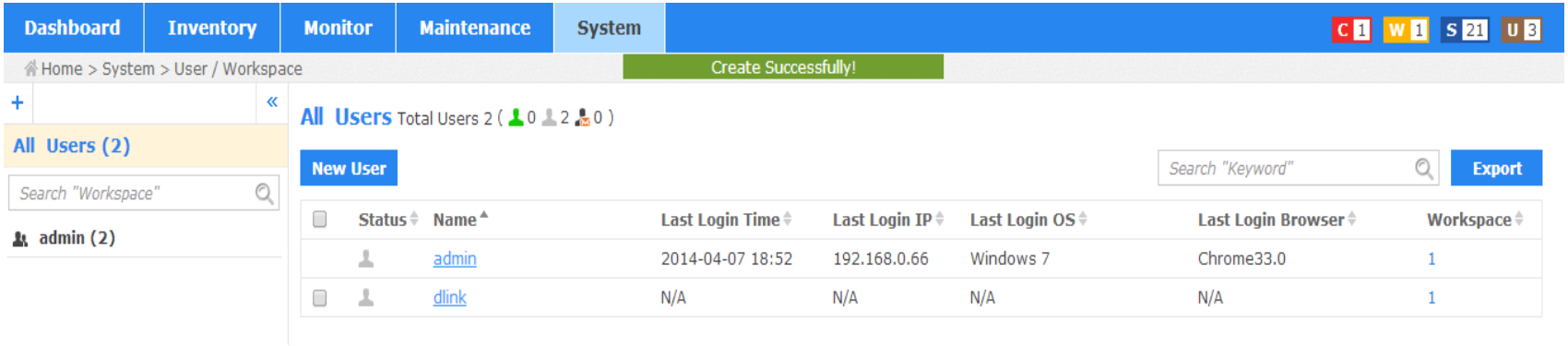
- GUI Menu: Home > System > User / Workspace
- Account Name: dlink; password: 123456
- Account Type (privileges): Admin; Active status
- Please create proper amount of account for lab practice



User Account Login History

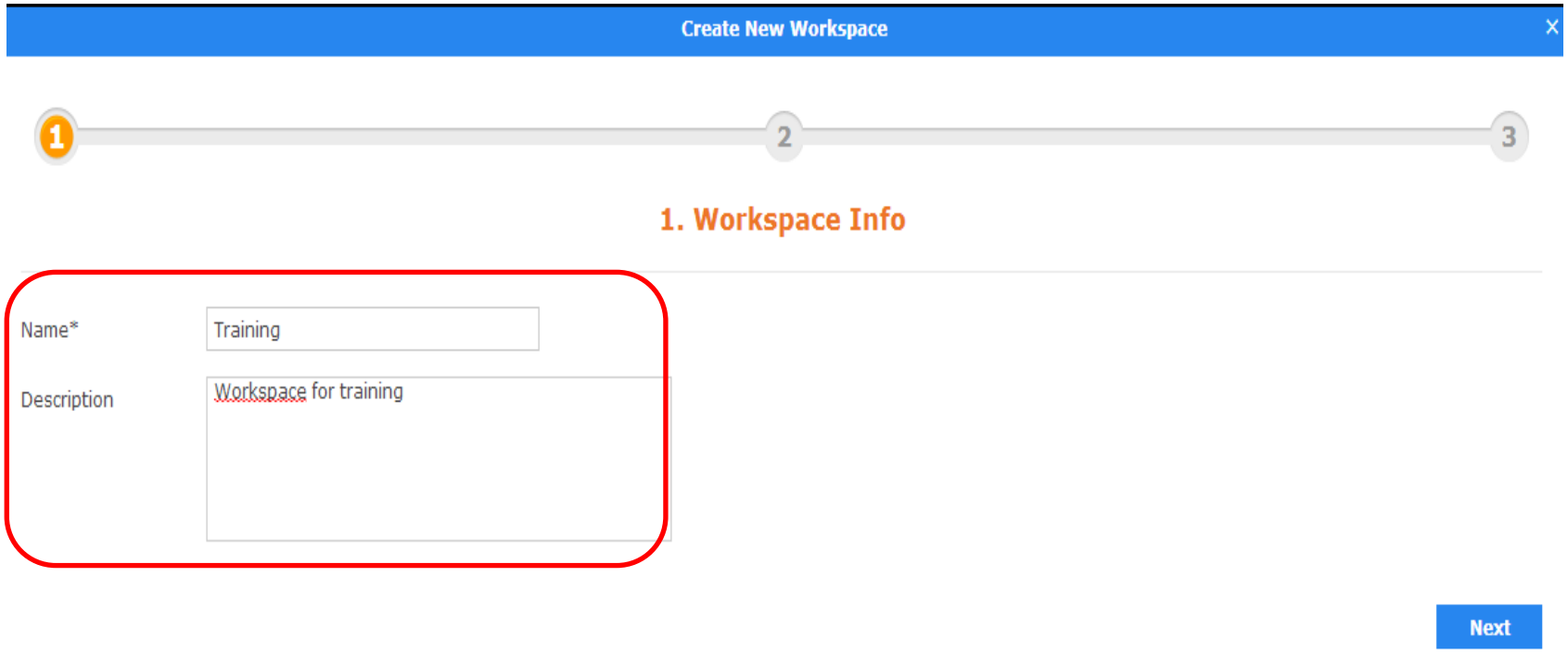
- GUI Menu: Home > System > User / Workspace
- Quiz: As of the "Admin" account, what was the last login time as well as type of Internet browser being used?





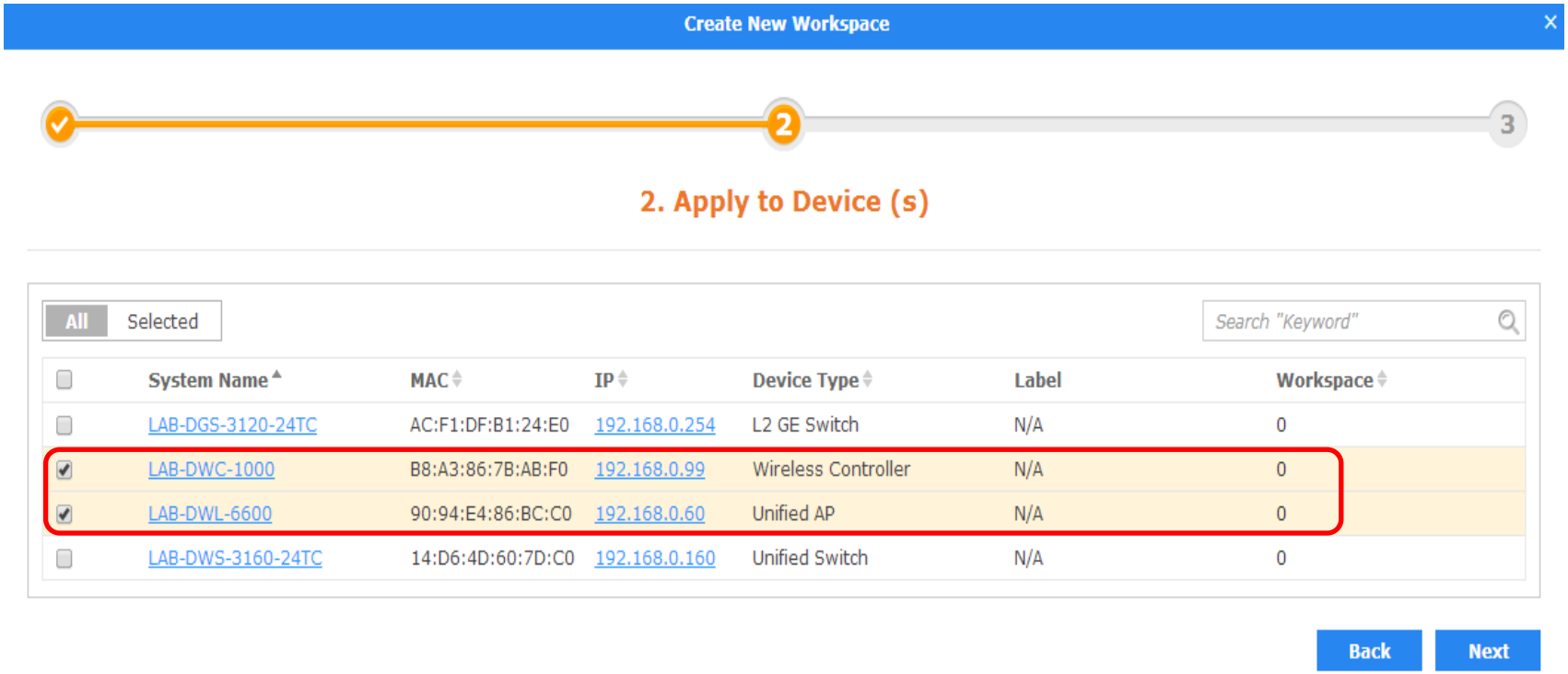
A Normal User Account Creation (1/7)

- Scenario: The CIO of company X would like to assign a Network Engineer to only manage wireless devices in his company's D-View 7 system. What configuration you should do to achieve his goal?
- GUI Menu: Home > System > User / Workspace > New Workspace



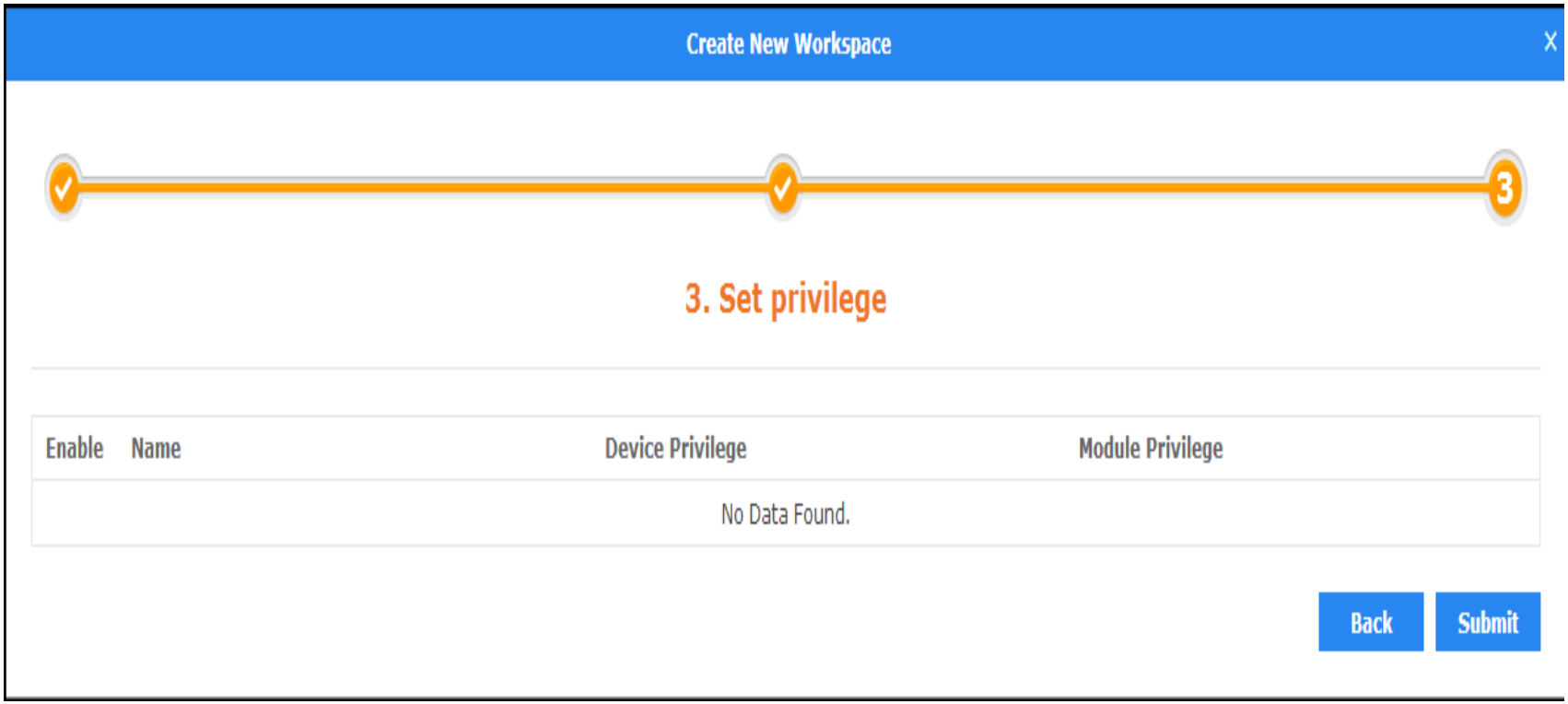
A Normal User Account Creation (2/7)

- GUI Menu: Home > System > User / Workspace > New Workspace
- Select Wireless Devices



A Normal User Account Creation (3/7)

- GUI Menu: Home > System > User / Workspace > New Workspace
- Select Wireless Devices

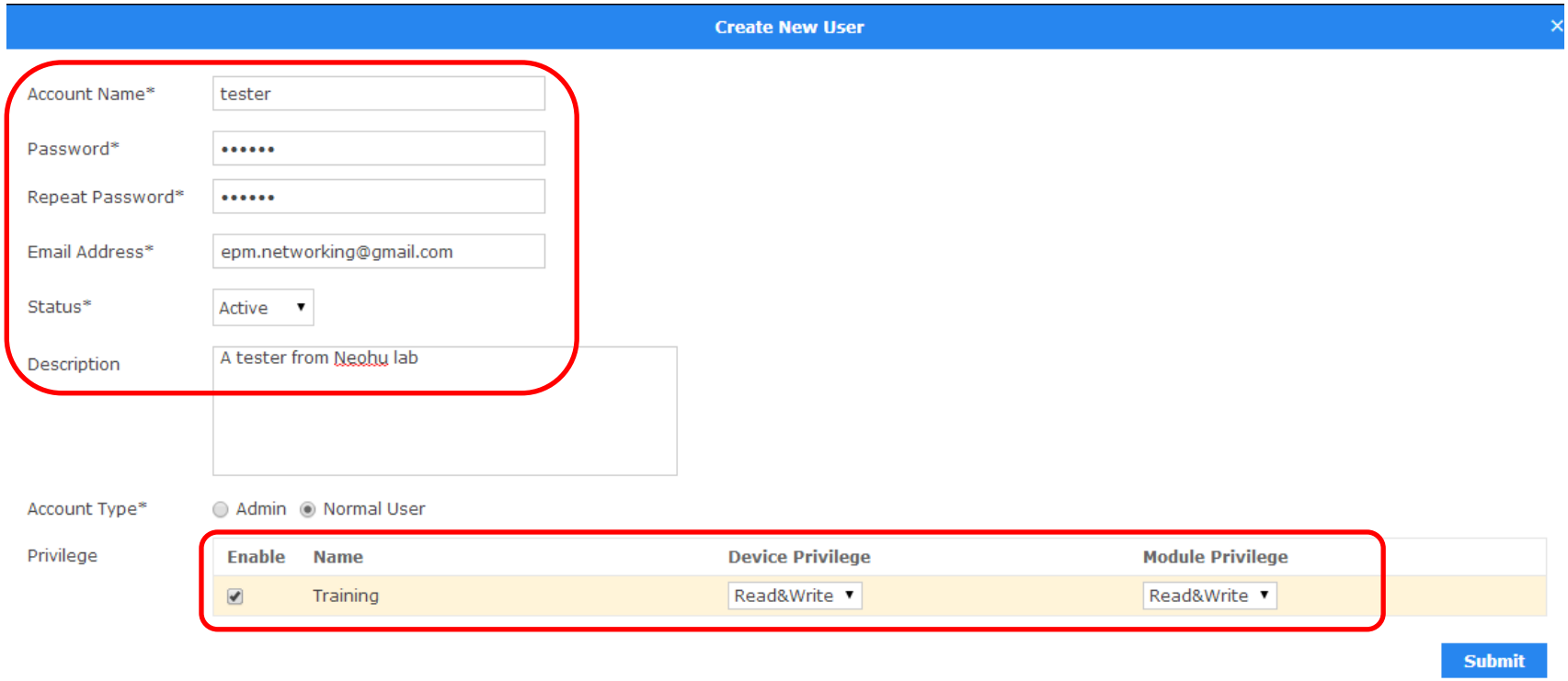


A Normal User Account Creation (4/7)

- GUI Menu: Home > System > User / Workspace > New Workspace
- Add a new user

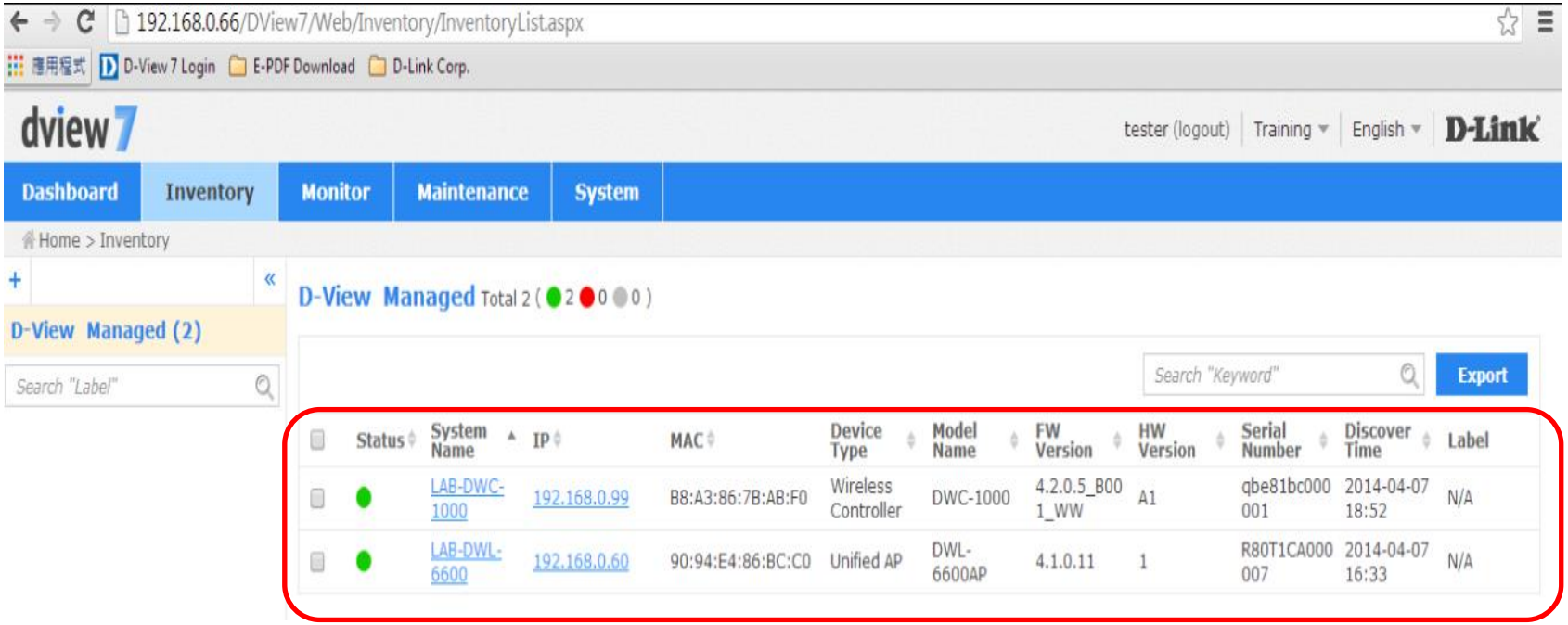
A Normal User Account Creation (5/7)

- New user account profile
- Quiz: what are the options of privileges?



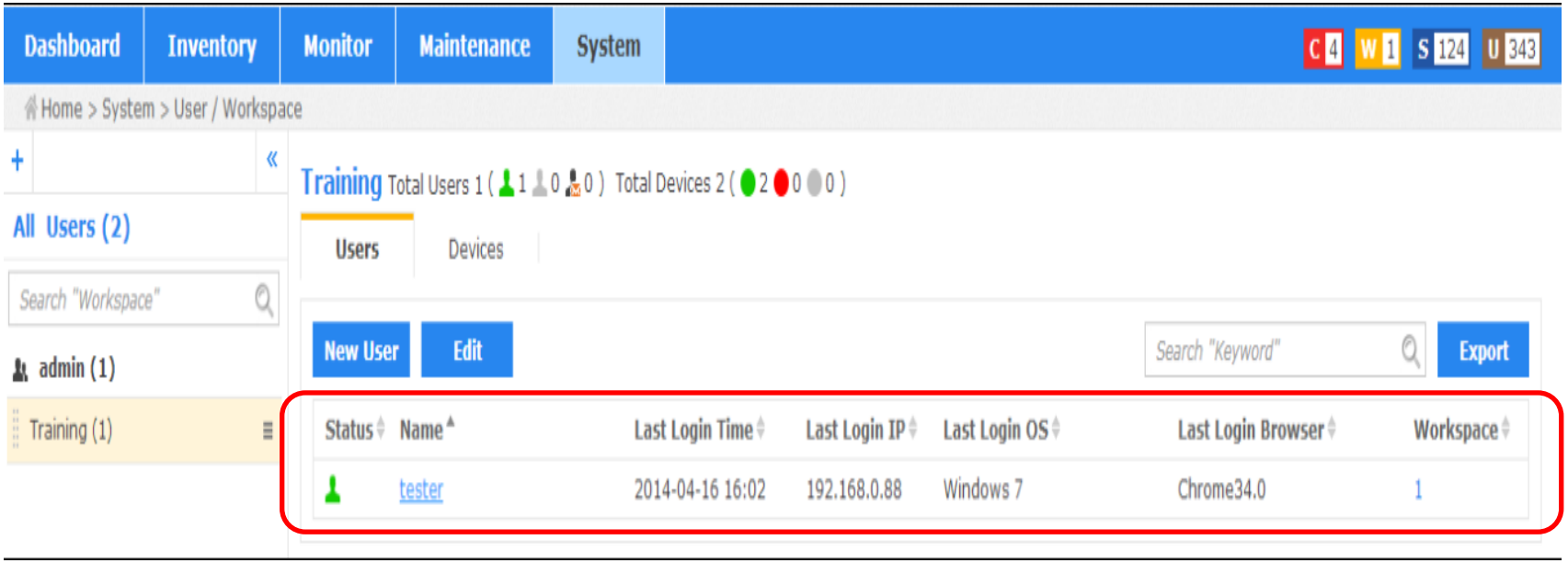
A Normal User Account Creation (6/7)

- Login this system using newly created accounts



A Normal User Account Creation (7/7)

- In D-View 7 system, verify user login status



Admin vs. Normal User Account (1/2)

- Scenario: Your customer is interested in purchasing D-View 7 system, but she would like to know the differences of user privileges. What would be your proper response?
- Team Discussion: 10-min

Admin vs. Normal User Account (2/2)

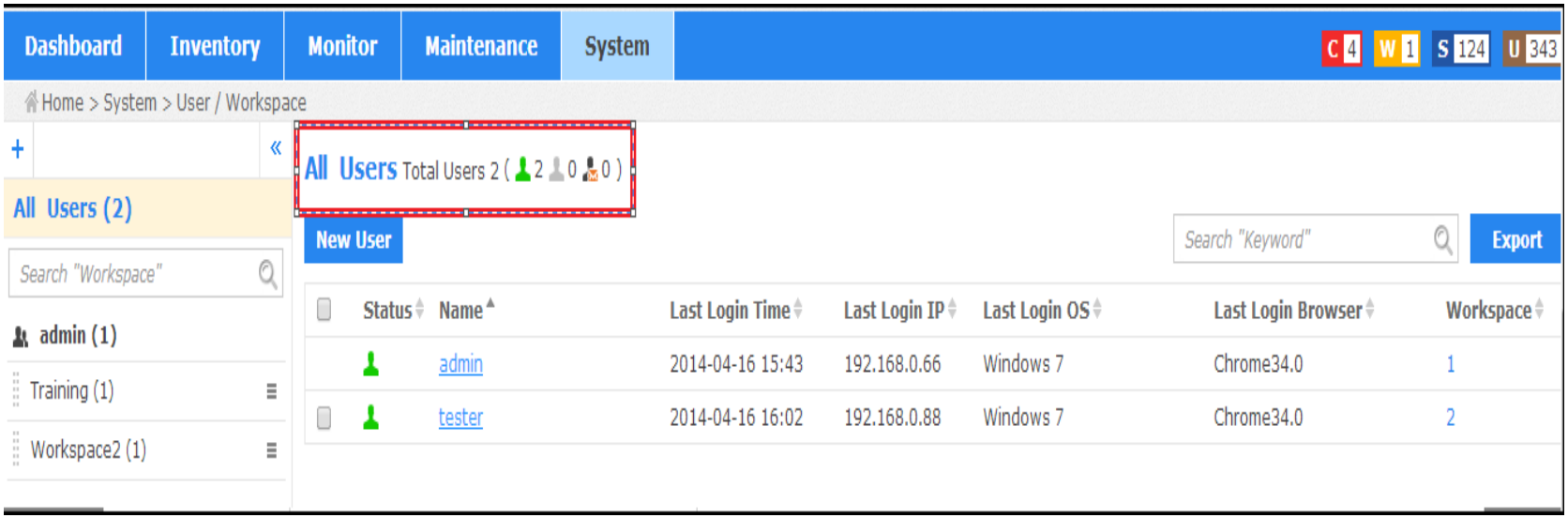
- Answer: In the System global bar, the Normal User Account is able to see the following options only
  - Sensor Settings
  - System Logs
  - About

Workspace and Device Quiz

- Question: For one single device, how many workspace it can be configured to?
- Team Discussion: 10-min

User Login Status

- Question: What the available options indicating user login status?
- Team Discussion: 10-min

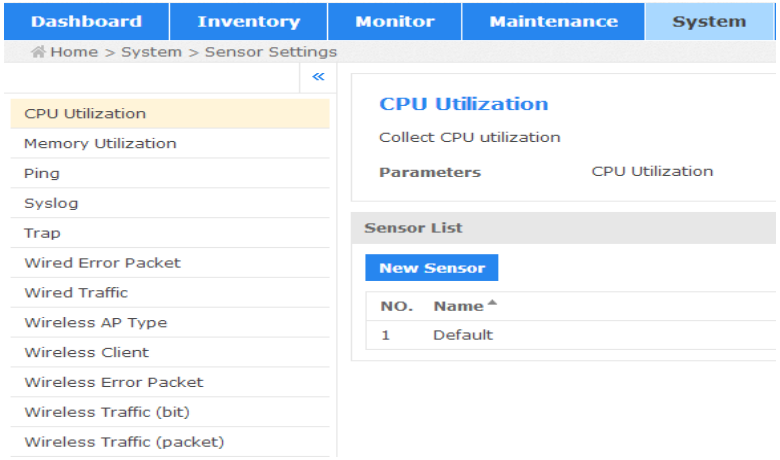


Agenda

- Device List and Settings
- D-View 7 Probe Configuration
- User Account / Workspace Profile
- Sensor Configuration and Customized Sensors
- Dashboard Overview
- Network Topology
- Syslog and Trap Log

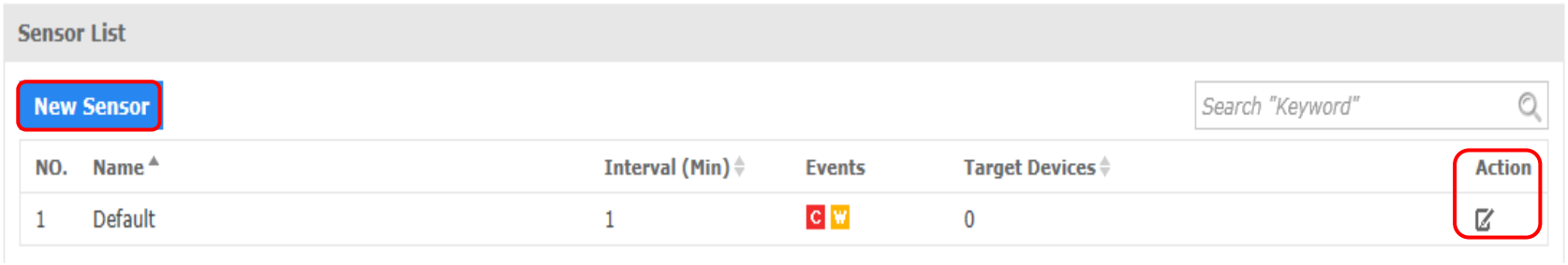
Lab Practice (Sensors)

- Where can we see the default sensors?
- GUI Menu: Home > System > Sensor settings



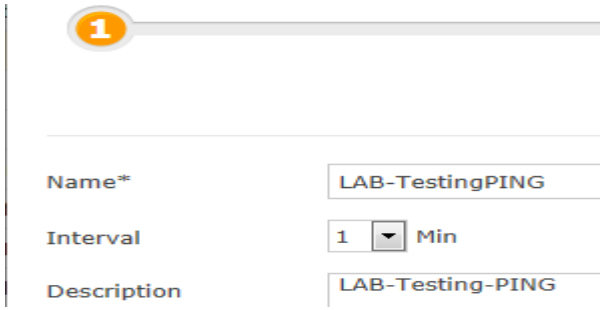
D-View 7 Sensor Configuration (1/4)

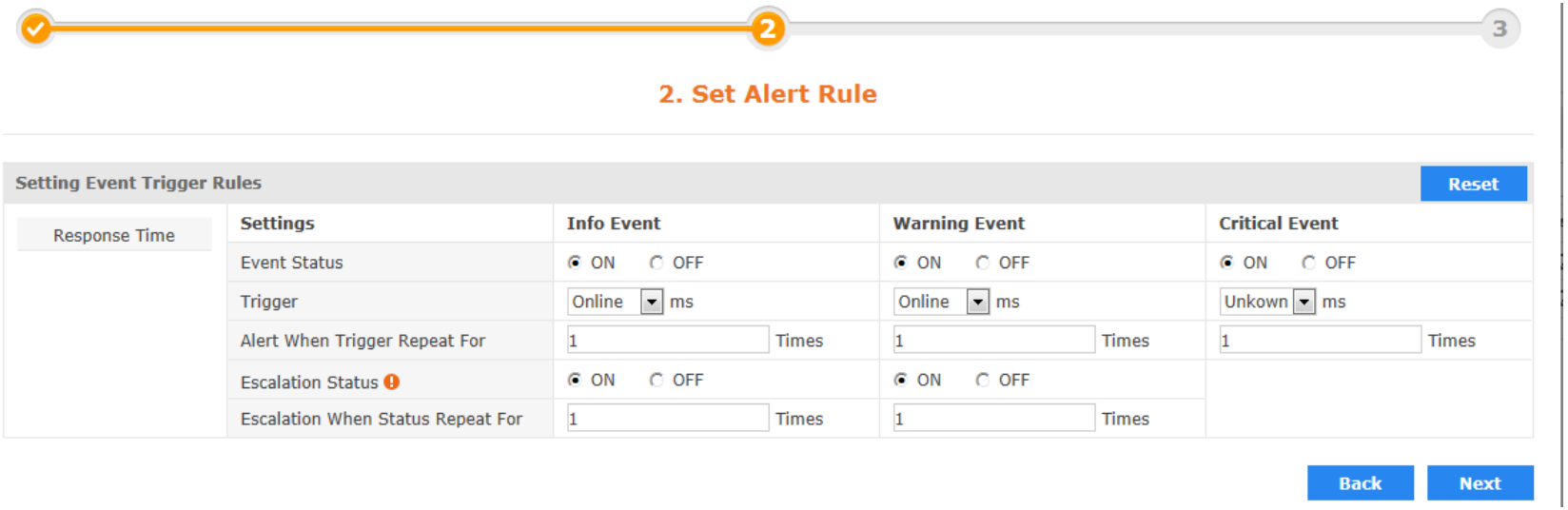
- Objective: to configure sensor in order to receive message
- GUI menu: System > Sensor Settings
- Default sensor, and create a New Sensor



D-View 7 Sensor Configuration (2/4)

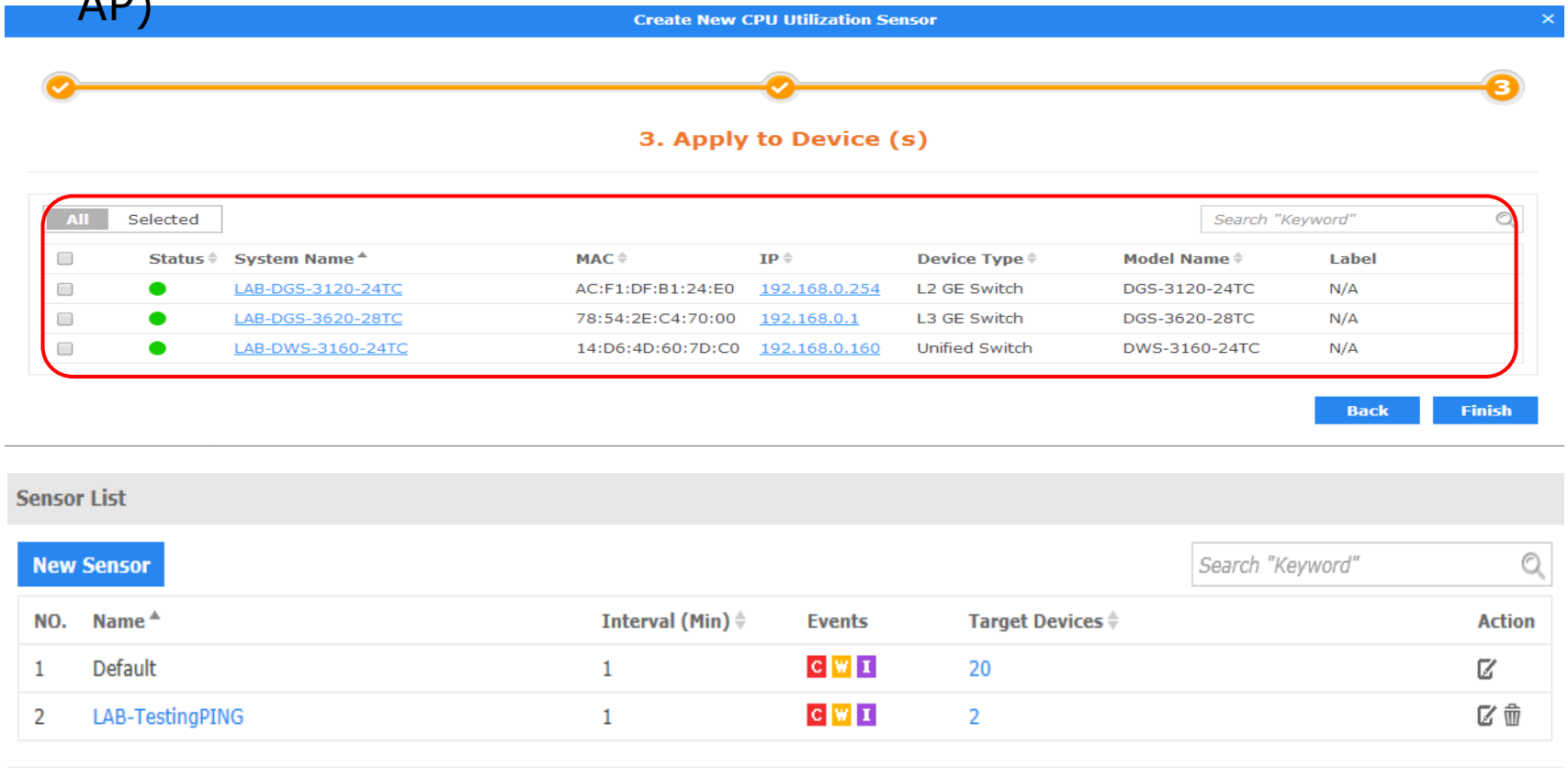
- GUI menu: System > Sensor Settings
- New Sensor Creation
- Default sensor
  - Info Event
  - Warning Event
  - Critical Event
- Escalation mechanism





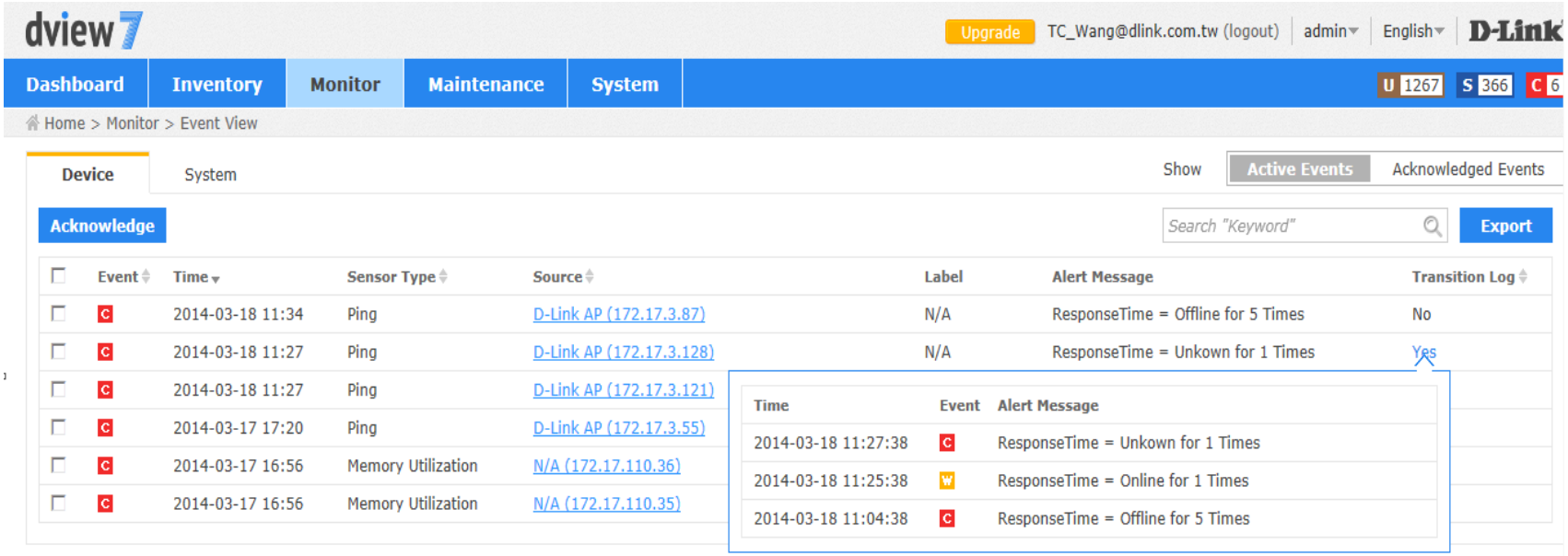
D-View 7 Sensor Configuration (3/4)

- Objective: to configure sensor in order to receive message
- Select the devices monitored by this sensor (example: two wireless AP)



D-View 7 Sensor Configuration (4/4)

- Sensor setting verification
- Power off that 2 wireless AP and then view status (Home > Monitor > Event View)



Agenda

- Device List and Settings
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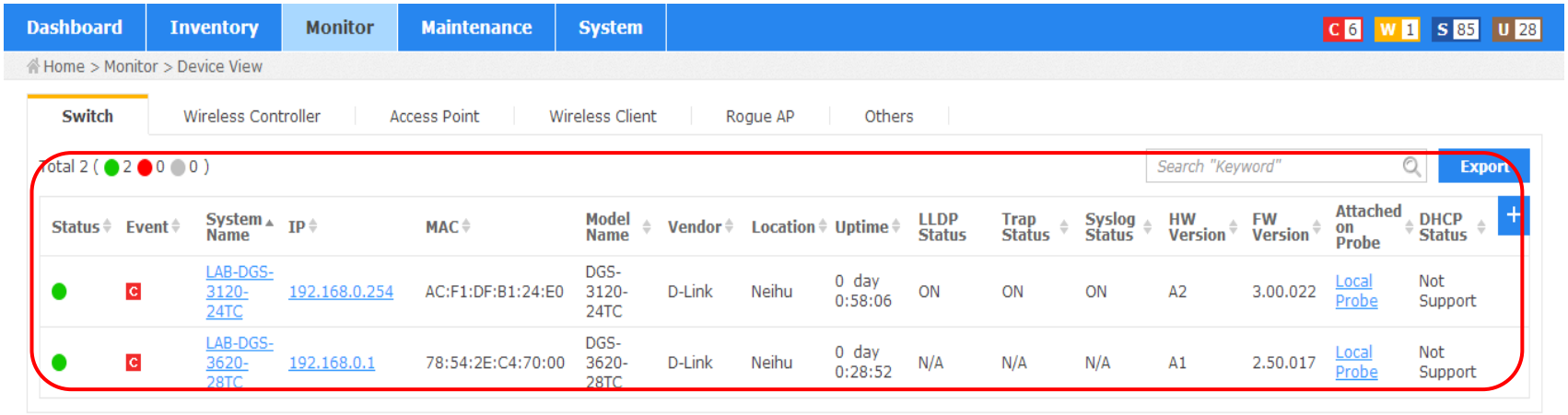
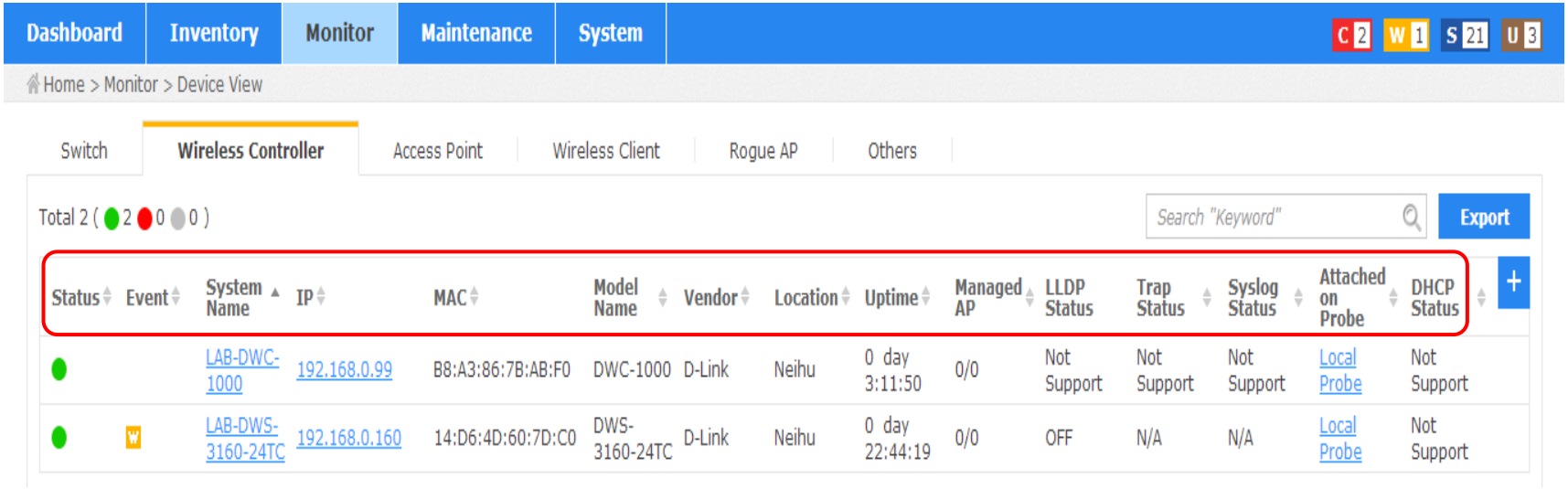
Device View

- GUI Menu: Home > Monitor > Device View: indicates a pre-view of monitored device



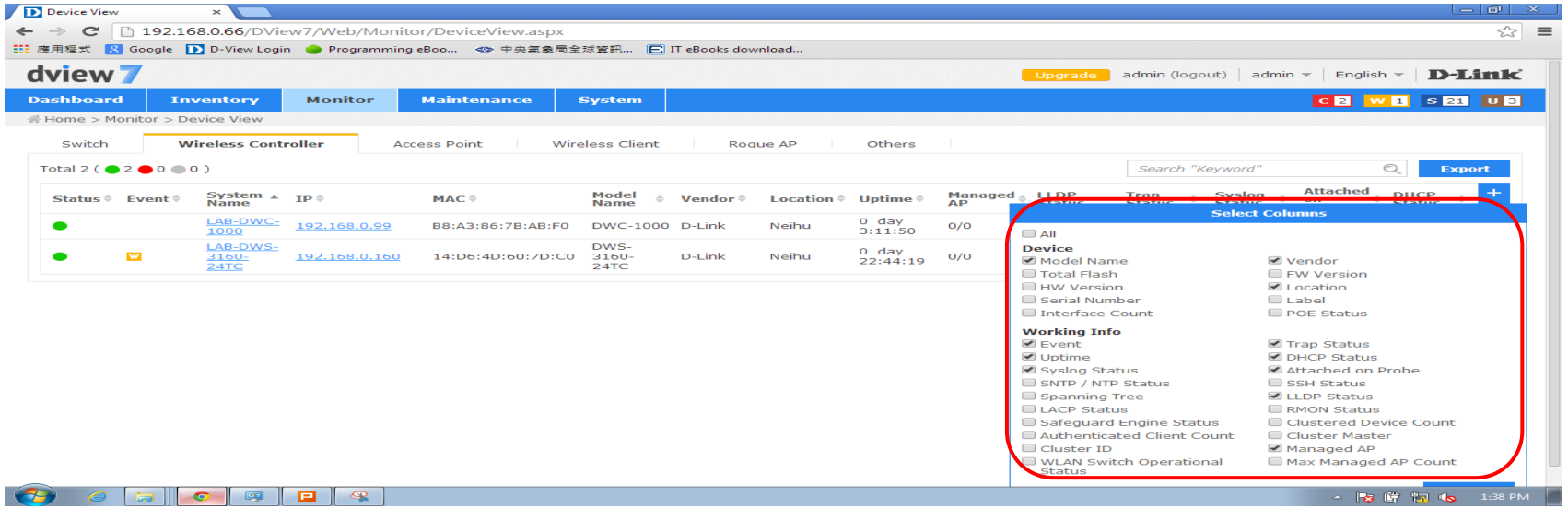
Lab Practice (Customized Device View) (1/3)

- Quiz: A D-View 7 customer requests to expand columns, such as Interface Count and Firmware Version, in wireless controller tab, what should you do to achieve such goals?
- Lab Practice: 10-min



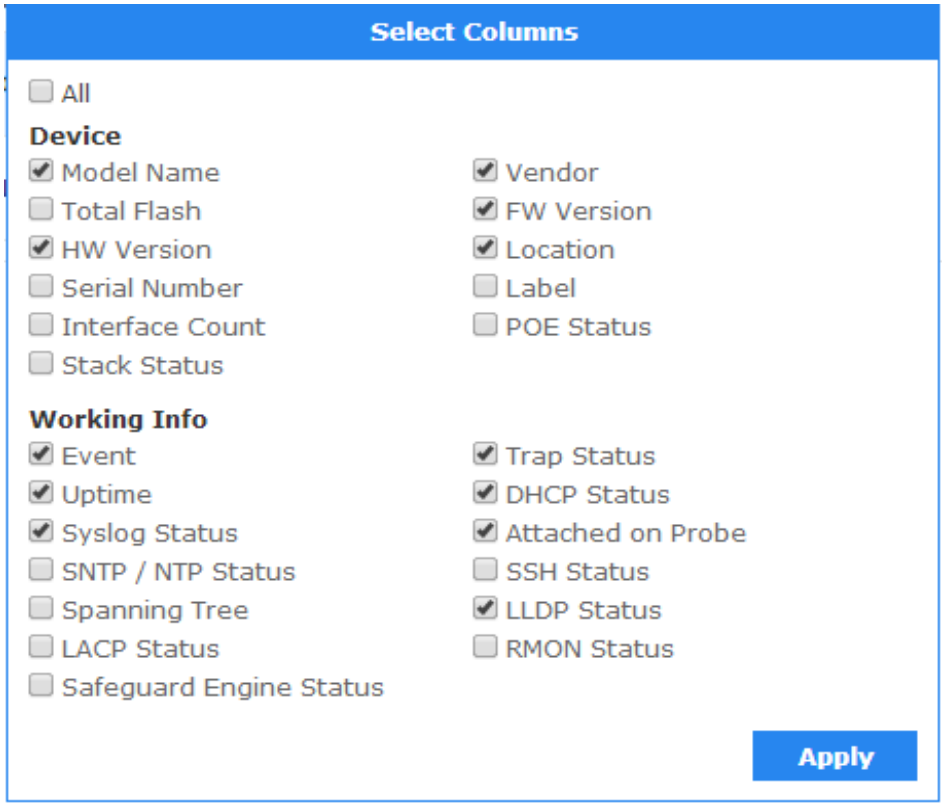
Lab Practice (Customized Device View) (2/3)

- Answer: Double click the '+' sign in the upper right-hand corner
- Select Interface Count and Firmware Version



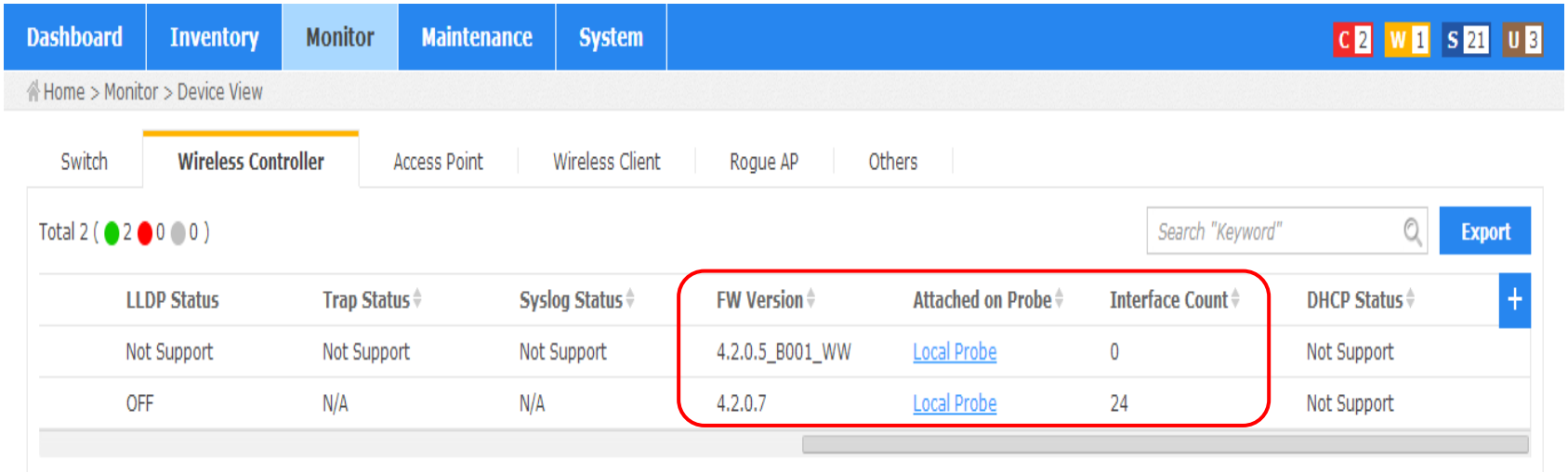
Lab Practice (Customized Device View) (2/3)

- Answer: Double click the '+' sign in the upper right-hand corner
- Select Interface Count and Firmware Version



Lab Practice (Customized Device View) (3/3)

- Verify the updated settings



Agenda

- Device List and Settings
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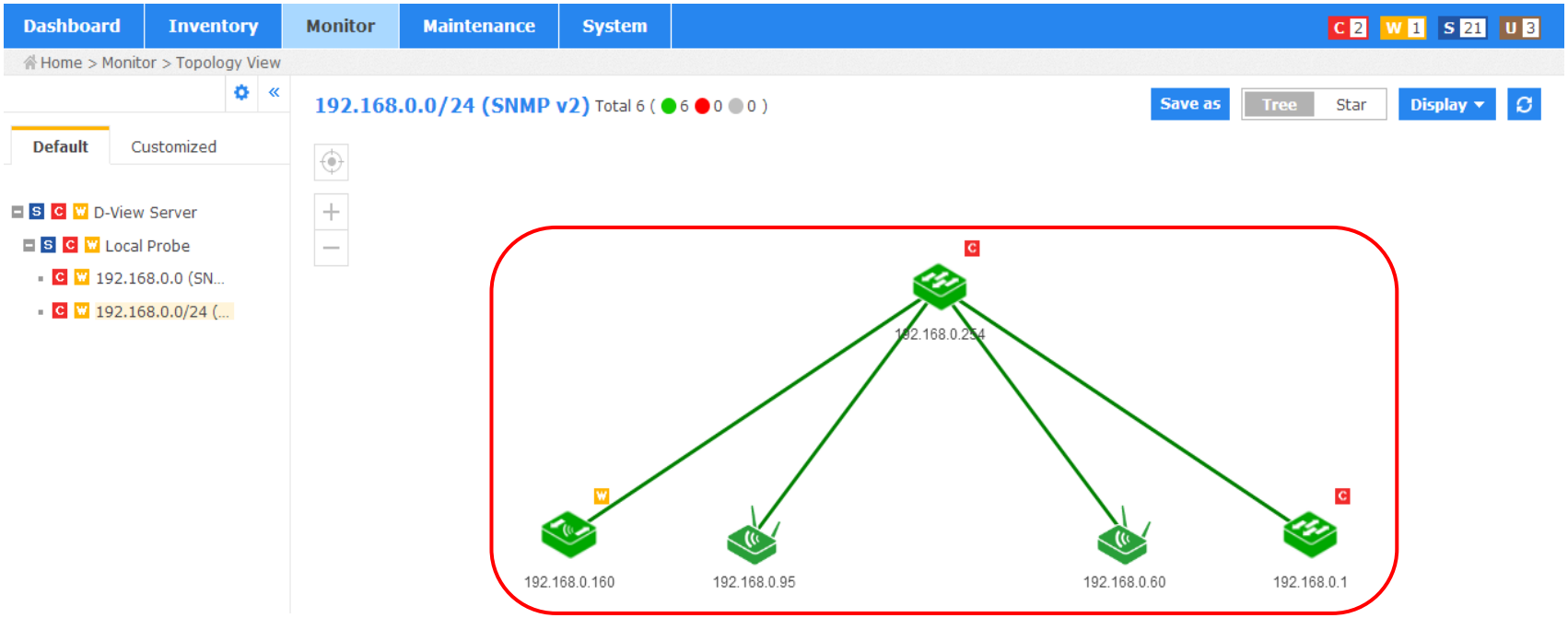
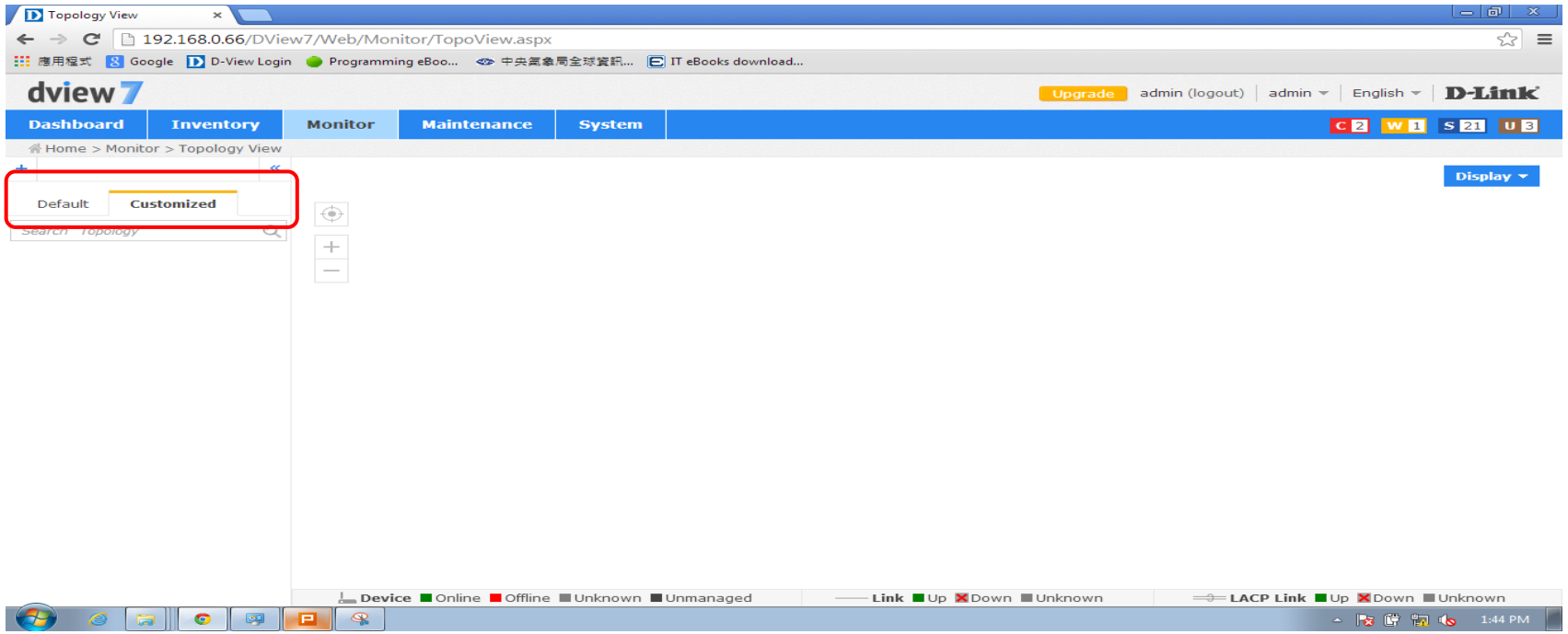
Topology Overview

- GUI Menu: Home > Monitor > Topology View
- To view the latest network topology



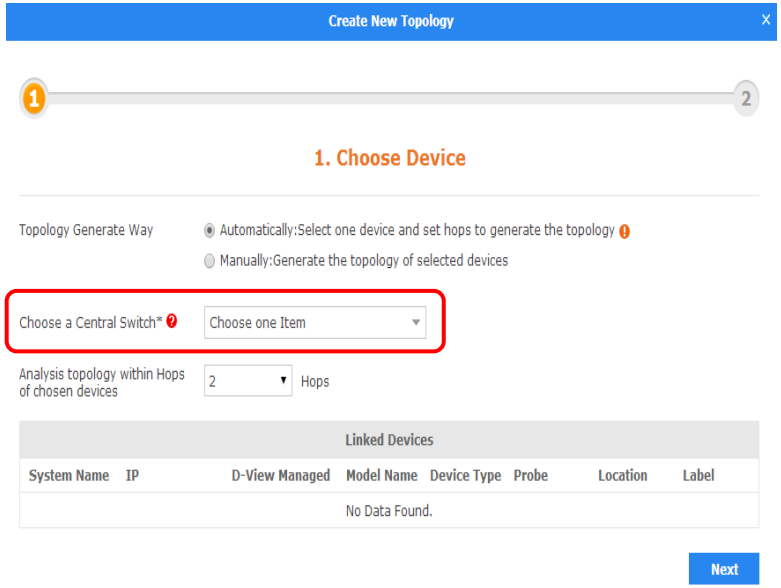
Lab Practice (Customized Topology) (1/5)

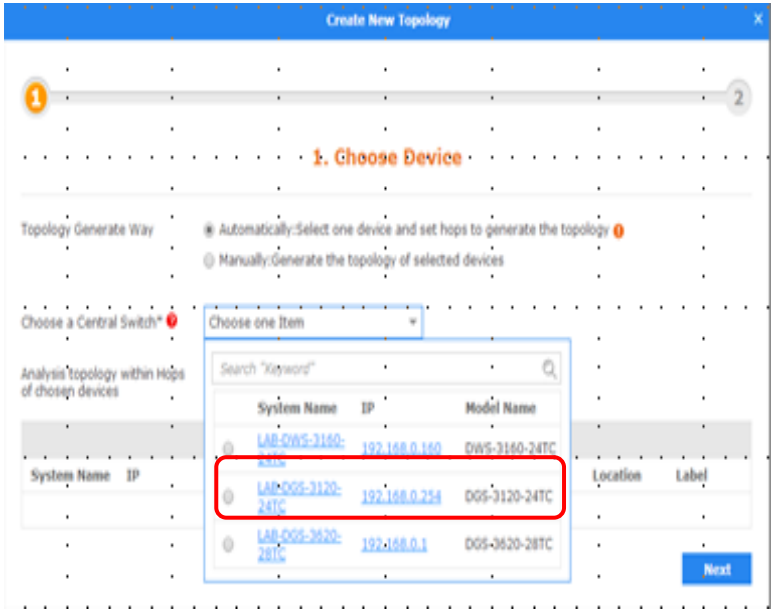
- Quiz: Your customer requested your assistance to make a customized network topology, what steps should be involved?
- GUI Menu: Home > Monitor > Topology View > Customized



Lab Practice (Customized Topology) (2/5)

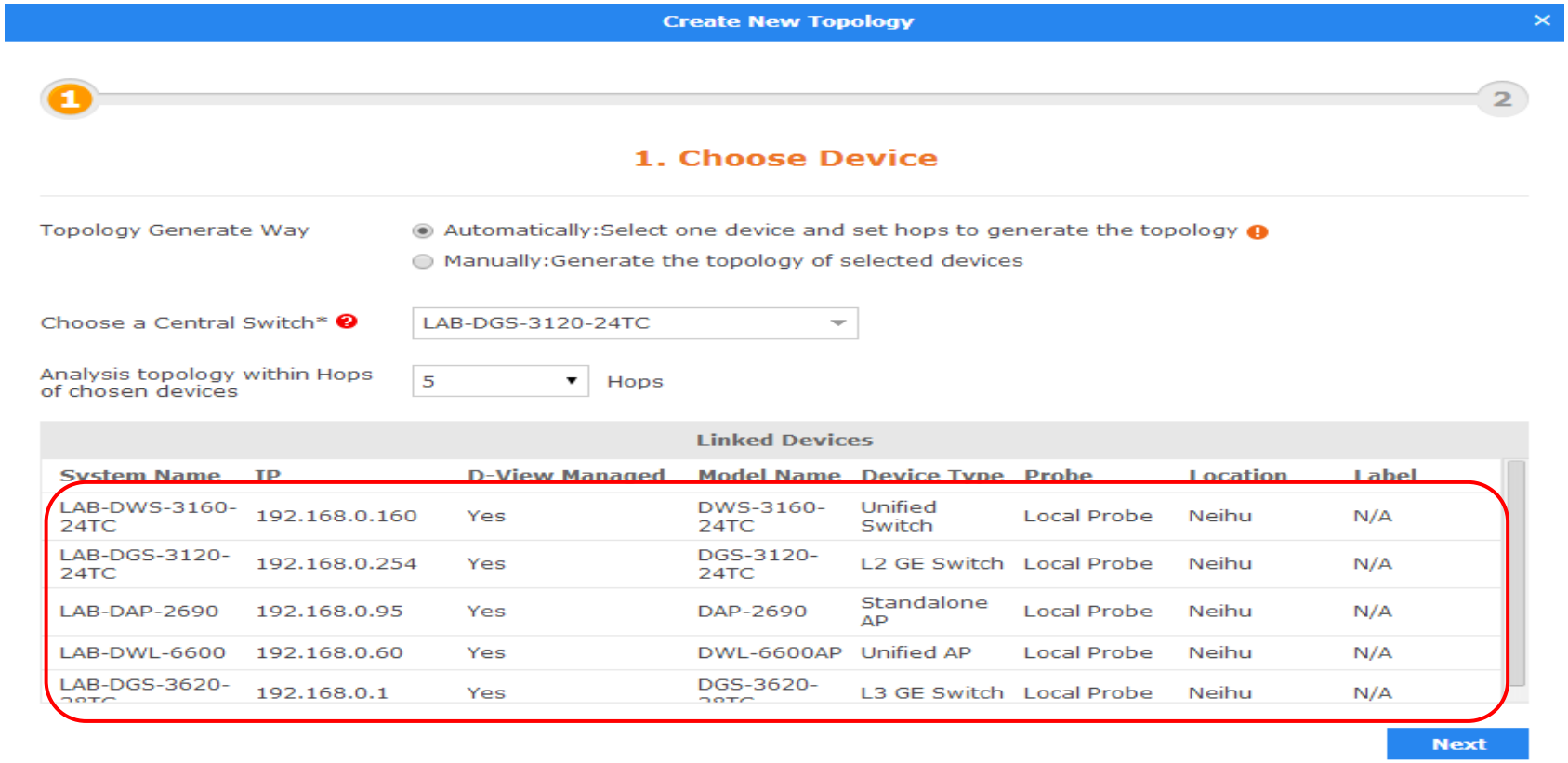
- Define your central switch: LAB-DGS-3120-24 (192.168.0.254)


Create New Topology
1. Choose Device
Topology Generate Way
Automatically:Select one device and set hops to generate the topology
Manually:Generate the topology of selected devices
Choose a Central Switch*
Choose one Item
Analysis topology within Hops of chosen devices
2
Hops
Linked Devices
System Name IP D-View Managed Model Name Device Type Probe Location Label
No Data Found.
Next


Create New Topology
1. Choose Device
Topology Generate Way
Automatically:Select one device and set hops to generate the topology
Manually:Generate the topology of selected devices
Choose a Central Switch*
Choose one Item
Analysis topology within Hops of chosen devices
Search "Keyword"
System Name IP Model Name
LAB-DWS-3160-24TC 192.168.0.160 DWS-3160-24TC
LAB-DGS-3120-24TC 192.168.0.254 DGS-3120-24TC
LAB-DGS-3620-28TC 192.168.0.1 DGS-3620-28TC
Next

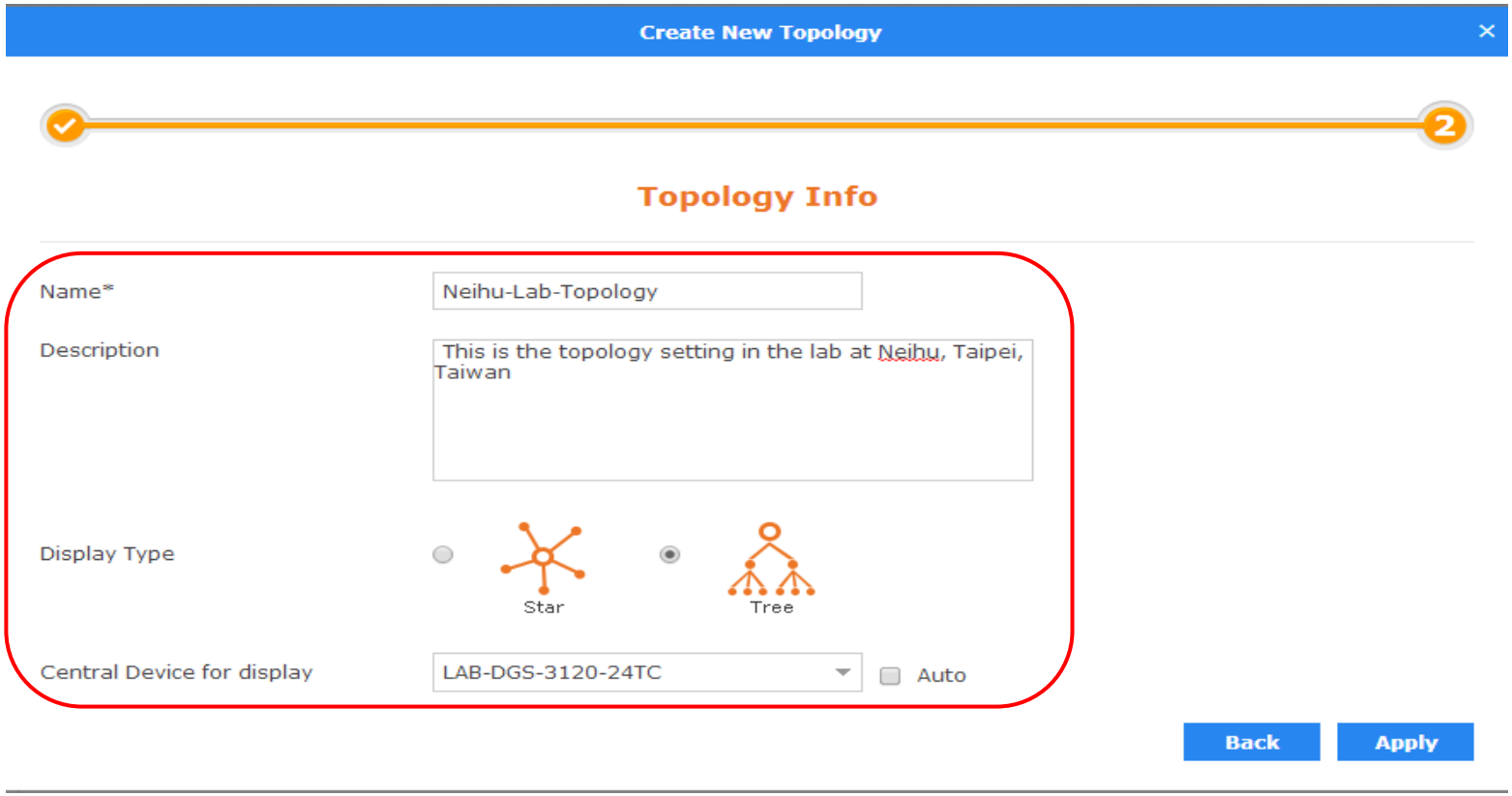
Lab Practice (Customized Topology) (3/5)

- Selected preferred devices



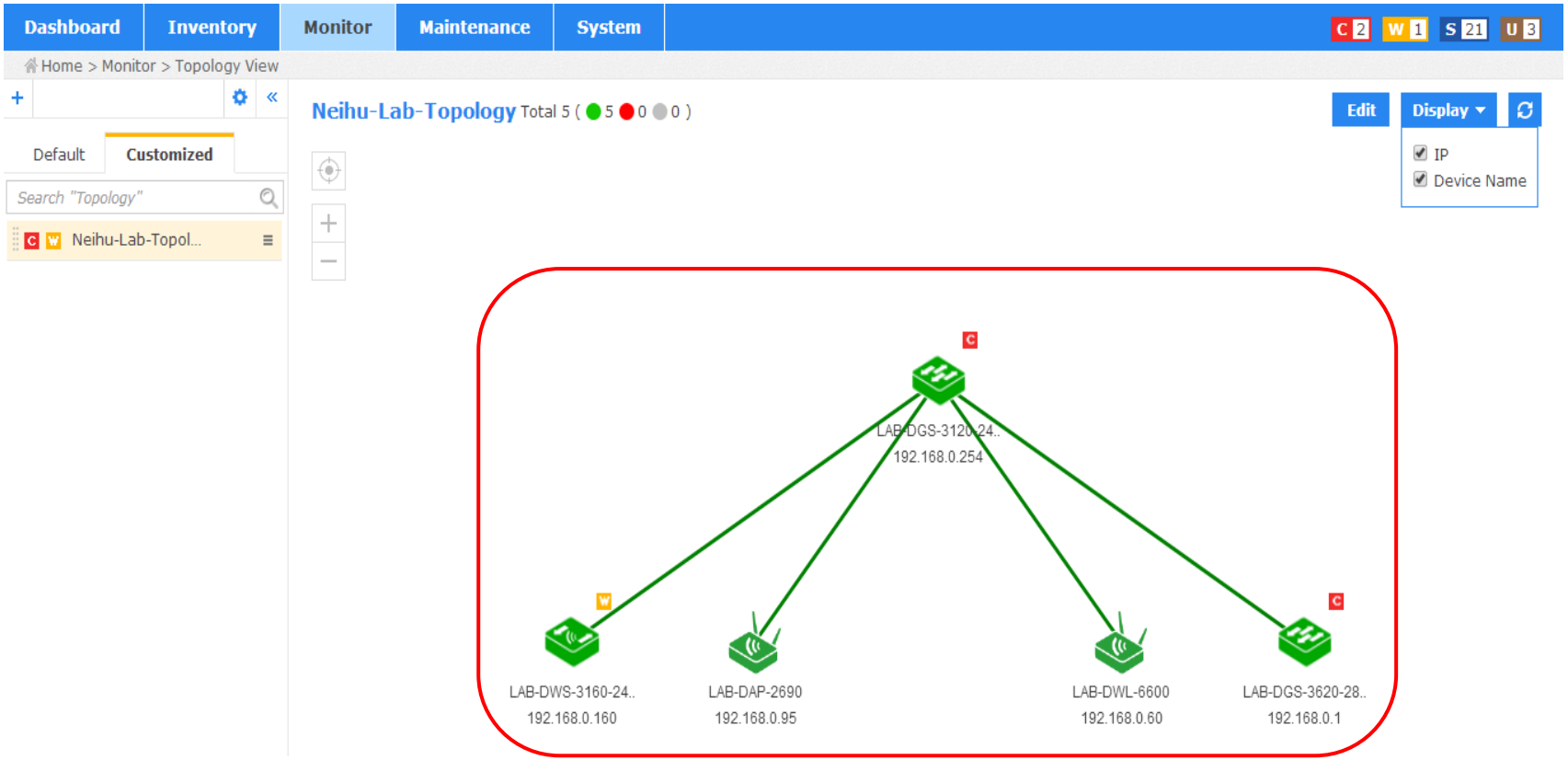
Lab Practice (Customized Topology) (4/5)

- Topology Profile



Lab Practice (Customized Topology) (5/5)

- Review the configurations

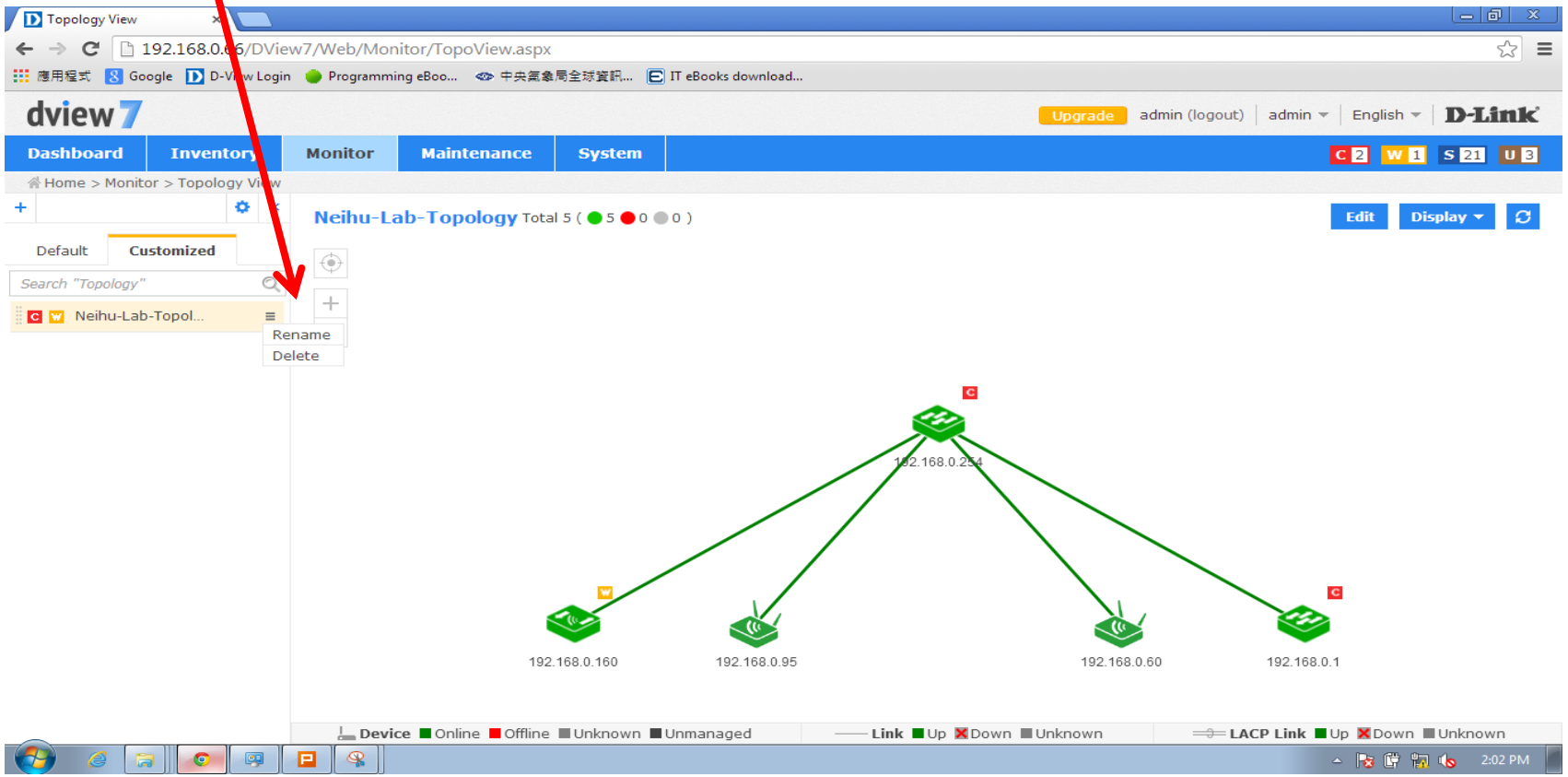


Lab Practice (Customized Topology Change)

- Quiz: How to rename or delete a customized topology?
- Lab Practice: 5-min

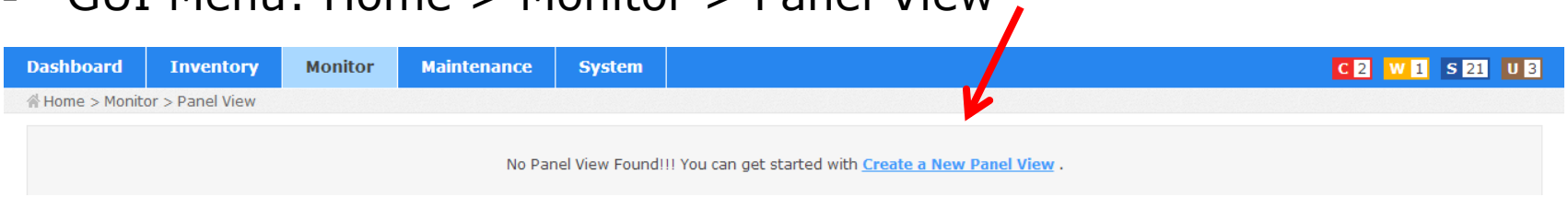
Lab Practice (Customized Topology Change)

- Answer:

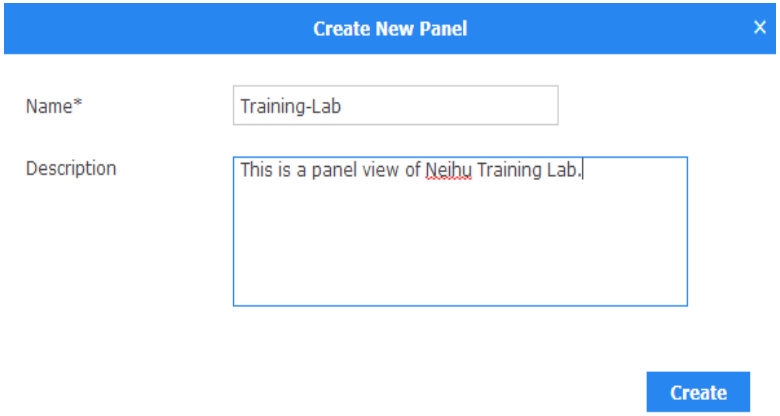


Lab Practice (Panel View Creation) (1/7)

- Scenario: You plan to create a network panel, presenting a different view of your monitored devices. What steps should you do?
- GUI Menu: Home > Monitor > Panel View

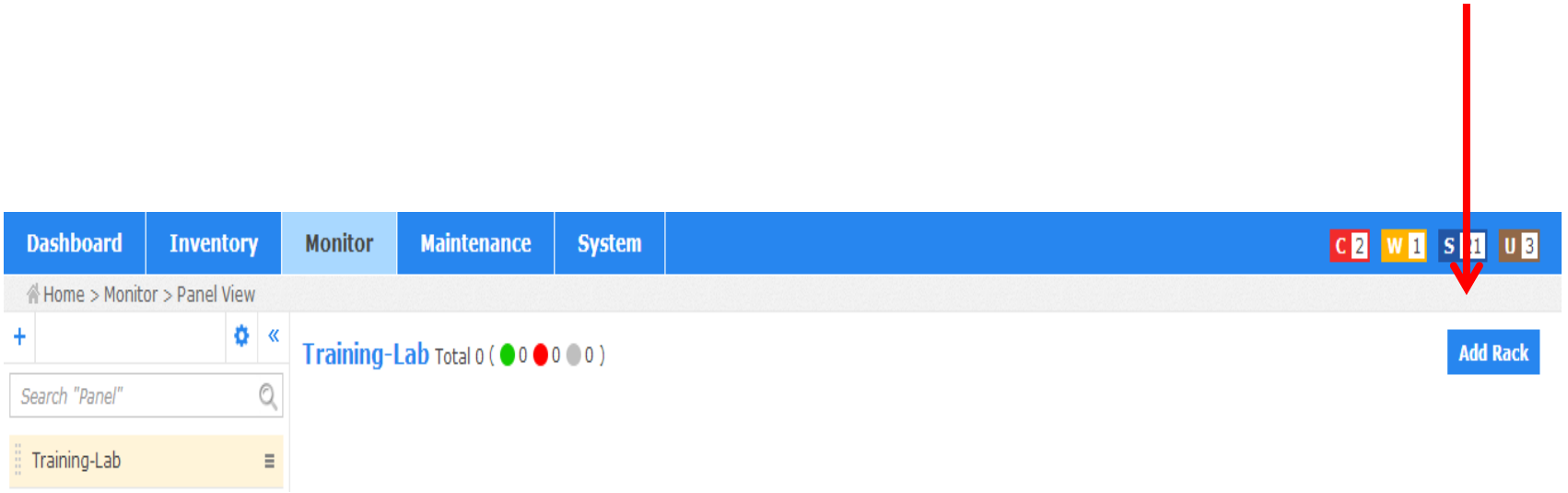


- Panel View profile



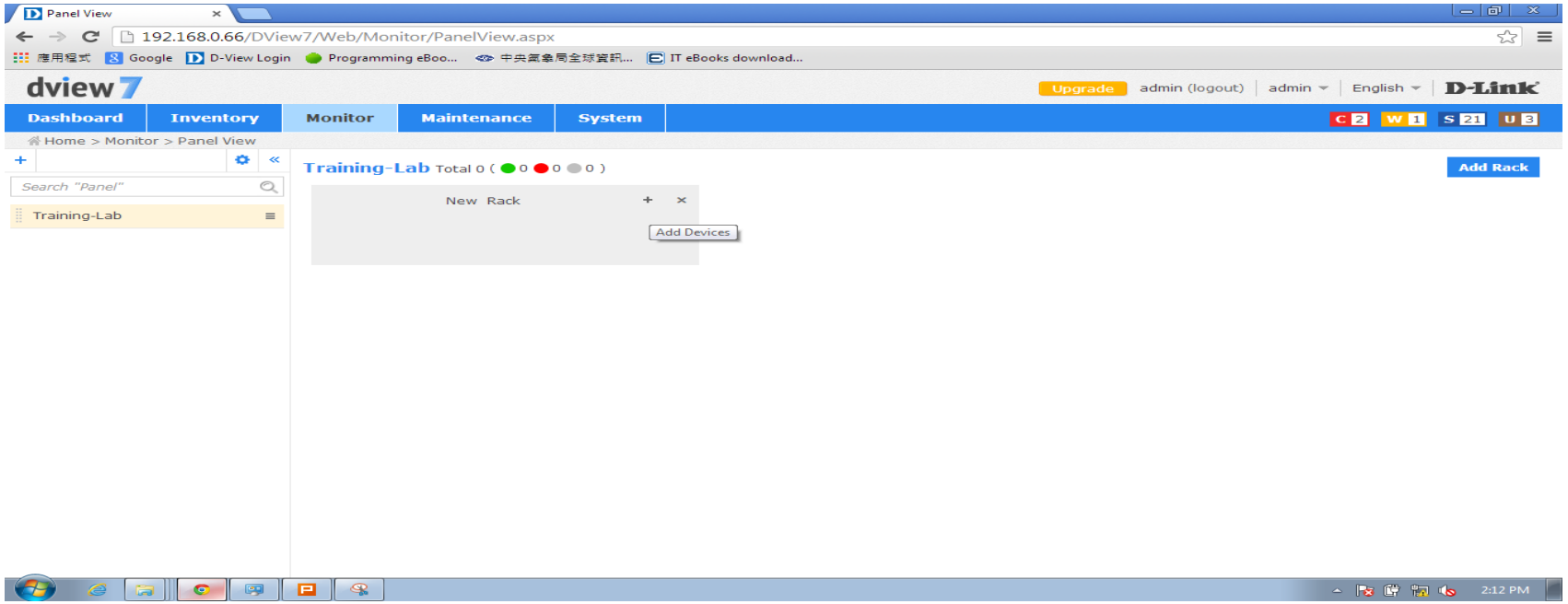
Lab Practice (Panel View Creation) (2/7)

- Add a new rack



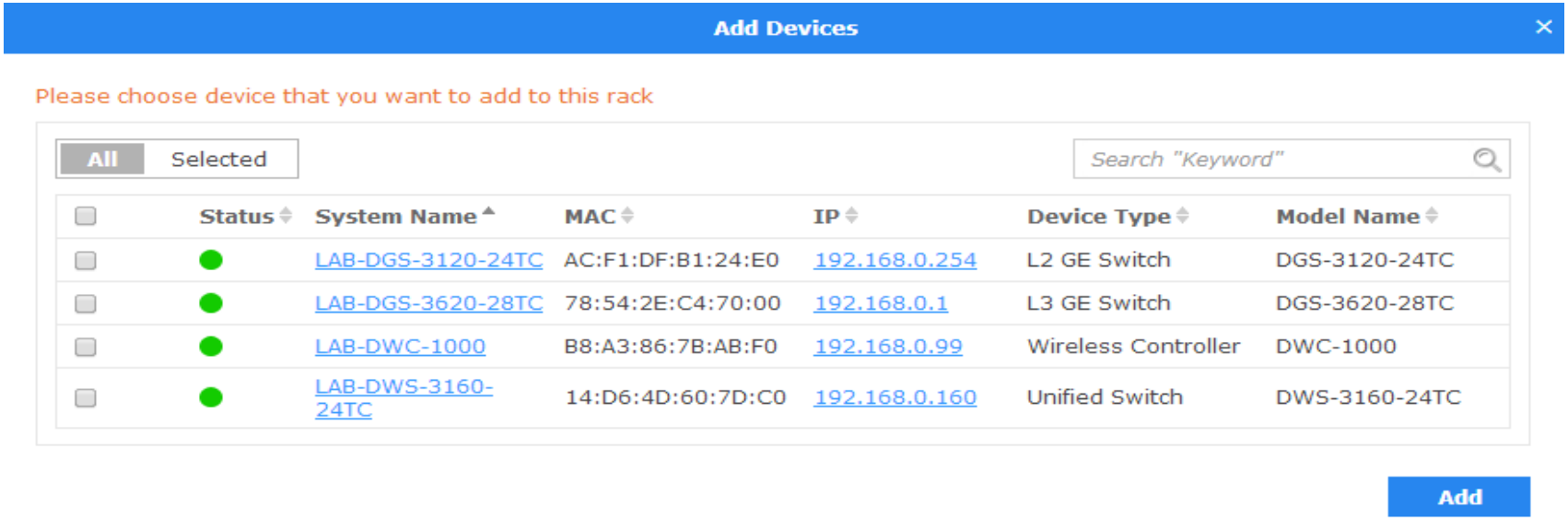
Lab Practice (Panel View Creation) (3/7)

- Add a new rack



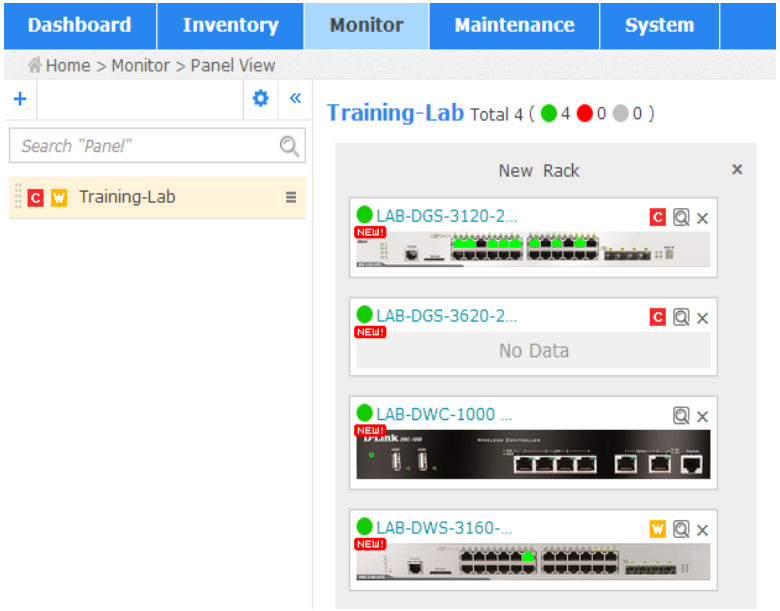
Lab Practice (Panel View Creation) (4/7)

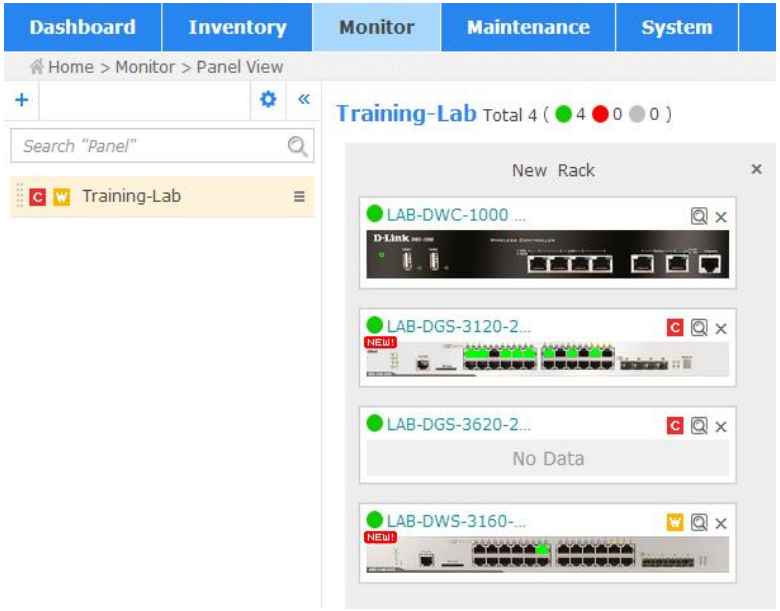
- Choose the devices you would like to put in this rack



Lab Practice (Panel View Creation) (5/7)

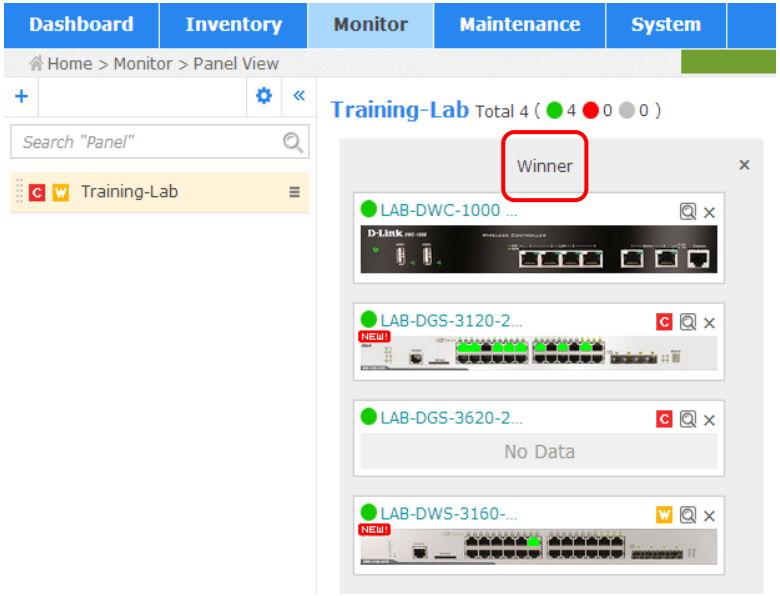
- Review the configurations
- Question: how to move devices around and generate final result, as showed in the right-hand screenshot?





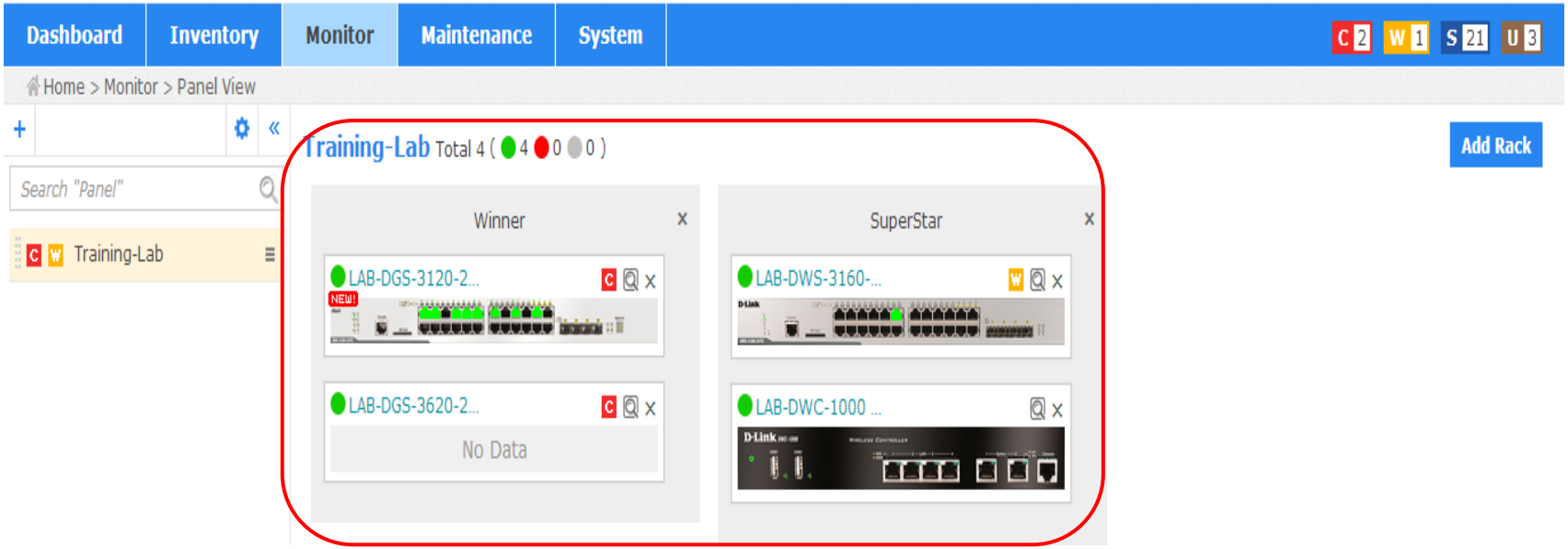
Lab Practice (Panel View Creation) (6/7)

- Question: how to edit the rack name as 'Winner'



Lab Practice (Panel View Creation) (7/7)

- Quiz: you are requested to create 2 racks as shown in the following screen-shot
- Lab Practice: 5-min



Agenda

- Device List and Settings
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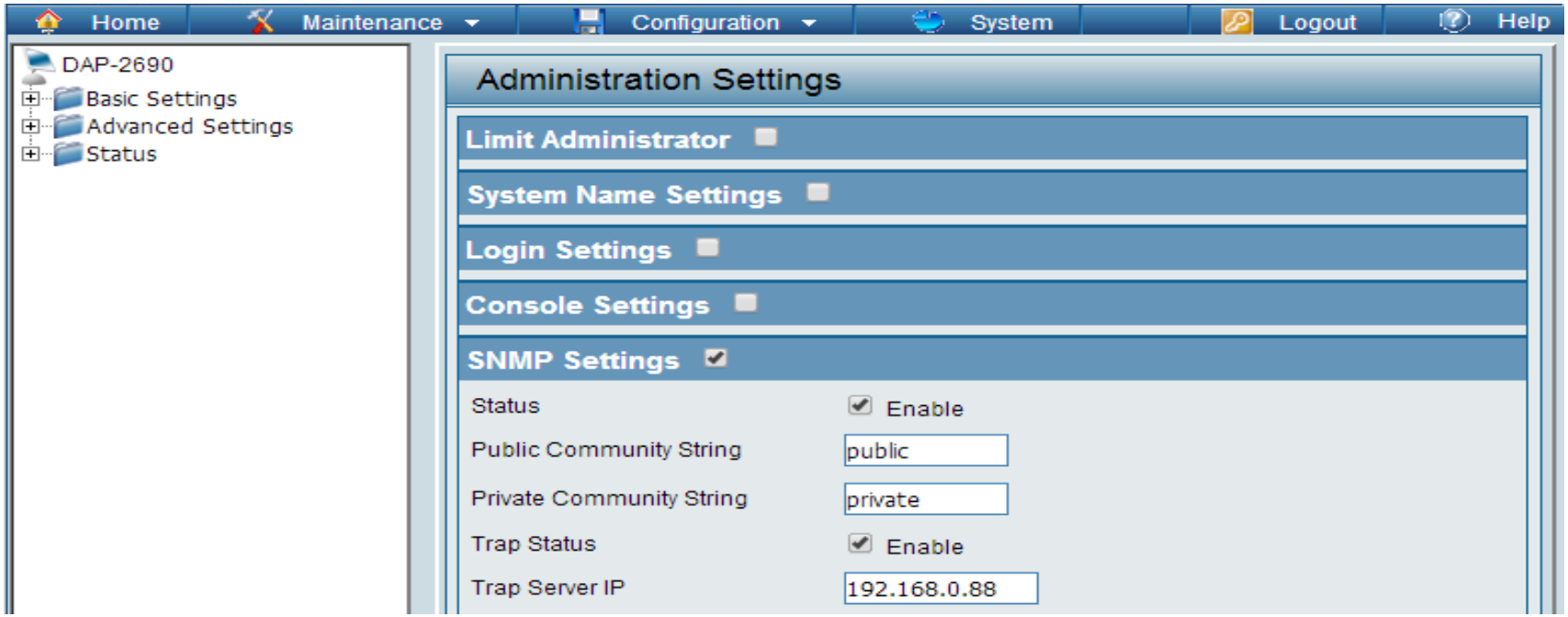
- Syslog and Trap Log

Lab Practice (Syslog and Trap Log) (1/6)

- Quiz: You plan to configure your system where the syslog and trap log from your DAP-2690 will automatically send to your D-View 7 system. Thus, you are able to view those messages. What would be proper configurations to do so
- Lab Practice: 15-min

Lab Practice (Syslog and Trap Log) (2/6)

- Configuration: in DAP-2690, point the Trap server to D-View System (192.168.0.x8), as indicated in the following

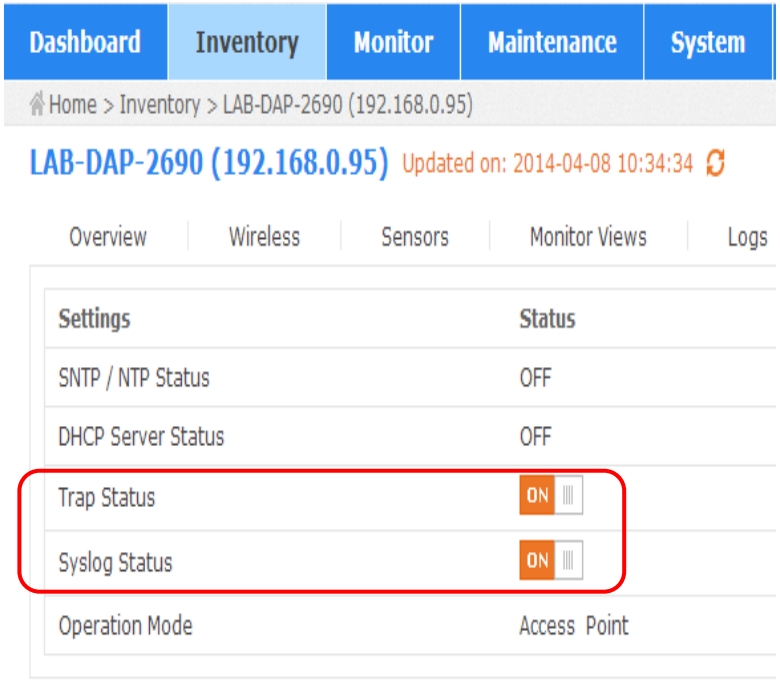


Lab Practice (Syslog and Trap Log) (3/6)

- Configuration: in DAP-2690, point the sys log to D-View System (192.168.0.x8), as indicated in the following

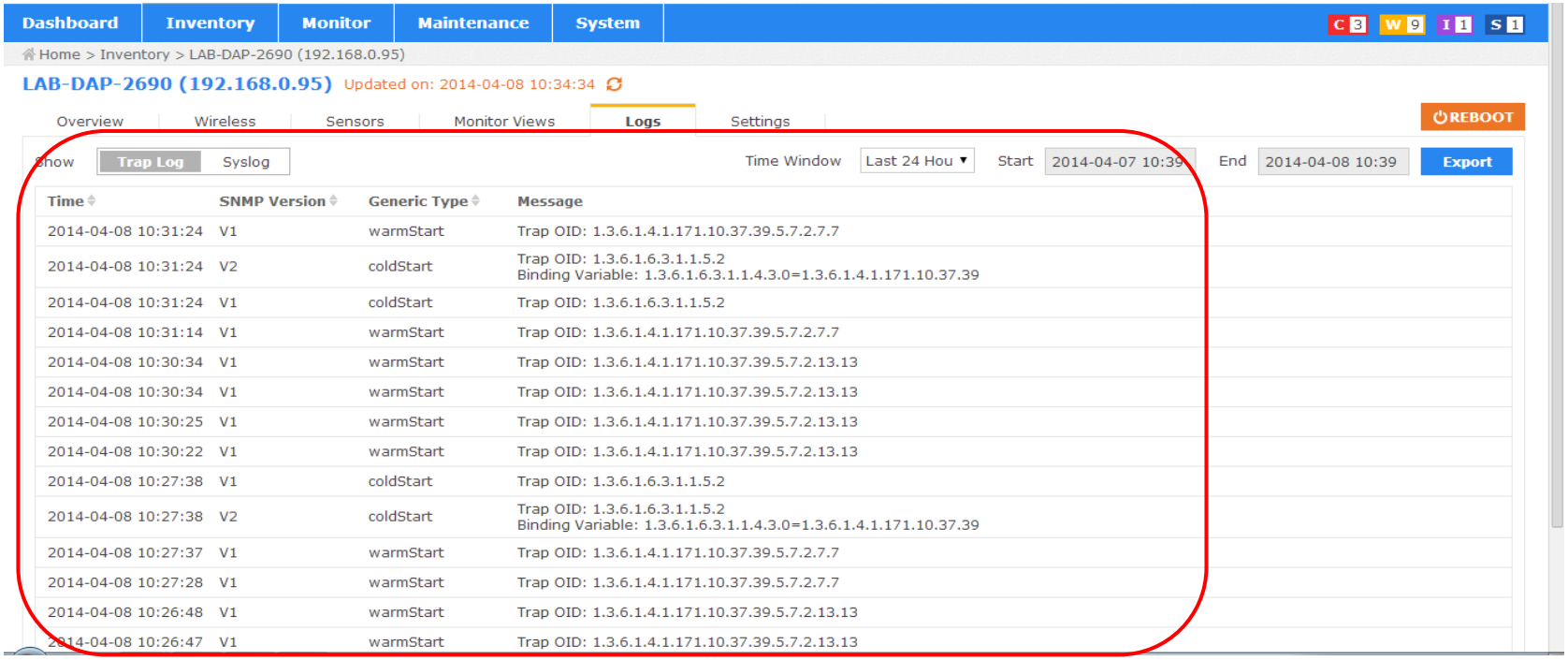
Lab Practice (Syslog and Trap Log) (4/6)

- In D-View 7 system, make sure proper setting in associated device DAP-2690 (192.168.0.95)



Lab Practice (Syslog and Trap Log) (5/6)

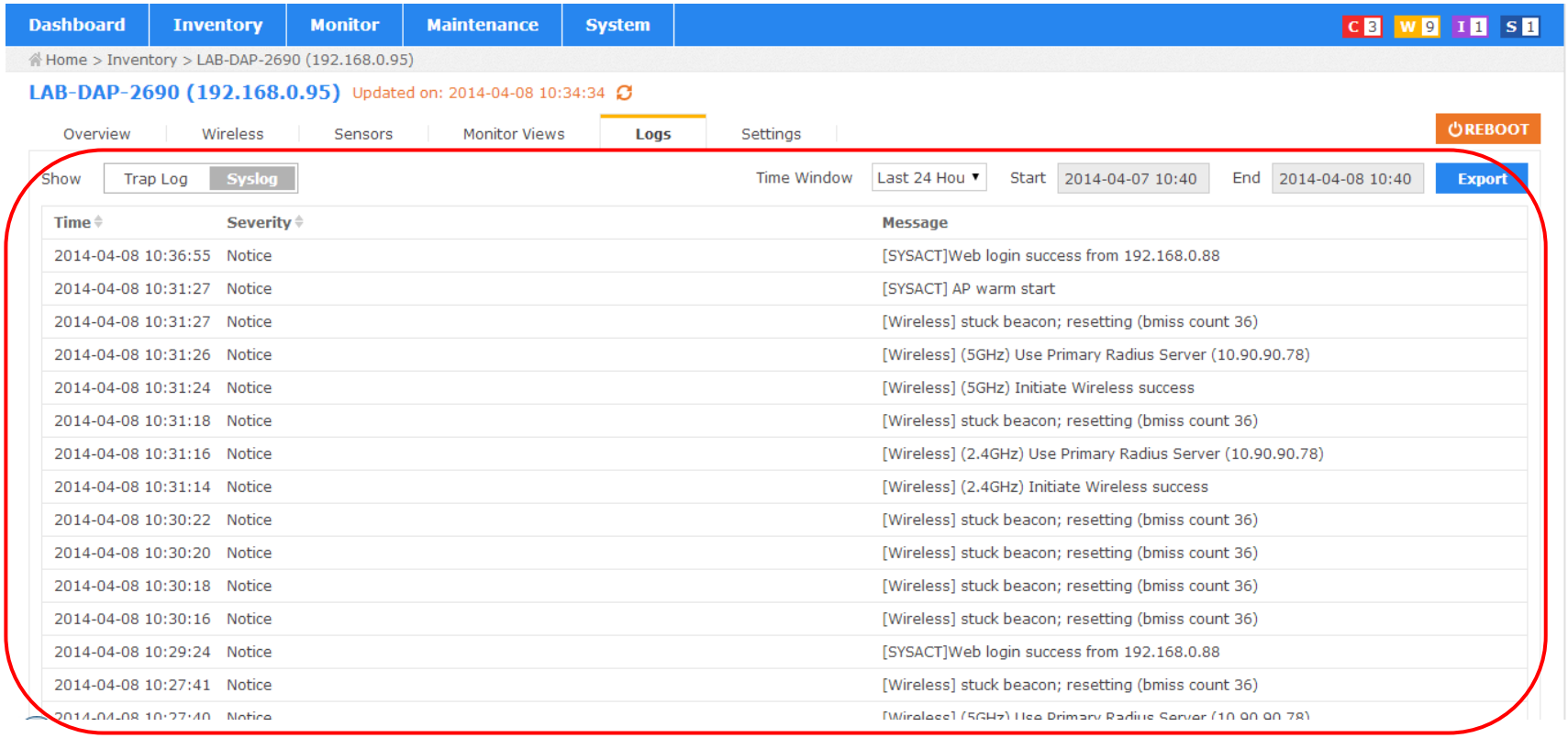
- Login and Logout DAP-2690, you can also conduct warm boot / cold boot as well
- In D-View 7 system, review collected Trap Log



Time	SNMP Version	Generic Type	Message
2014-04-08 10:31:24	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.7.7
2014-04-08 10:31:24	V2	coldStart	Trap OID: 1.3.6.1.6.3.1.1.5.2 Binding Variable: 1.3.6.1.6.3.1.1.4.3.0=1.3.6.1.4.1.171.10.37.39
2014-04-08 10:31:24	V1	coldStart	Trap OID: 1.3.6.1.6.3.1.1.5.2
2014-04-08 10:31:14	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.7.7
2014-04-08 10:30:34	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:30:34	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:30:25	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:30:22	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:27:38	V1	coldStart	Trap OID: 1.3.6.1.6.3.1.1.5.2
2014-04-08 10:27:38	V2	coldStart	Trap OID: 1.3.6.1.6.3.1.1.5.2 Binding Variable: 1.3.6.1.6.3.1.1.4.3.0=1.3.6.1.4.1.171.10.37.39
2014-04-08 10:27:37	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.7.7
2014-04-08 10:27:28	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.7.7
2014-04-08 10:26:48	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:26:47	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13

Lab Practice (Syslog and Trap Log) (6/6)

- Login and Logout DAP-2690, you can also conduct warm boot / cold boot as well
- In D-View 7 system, review sys Log



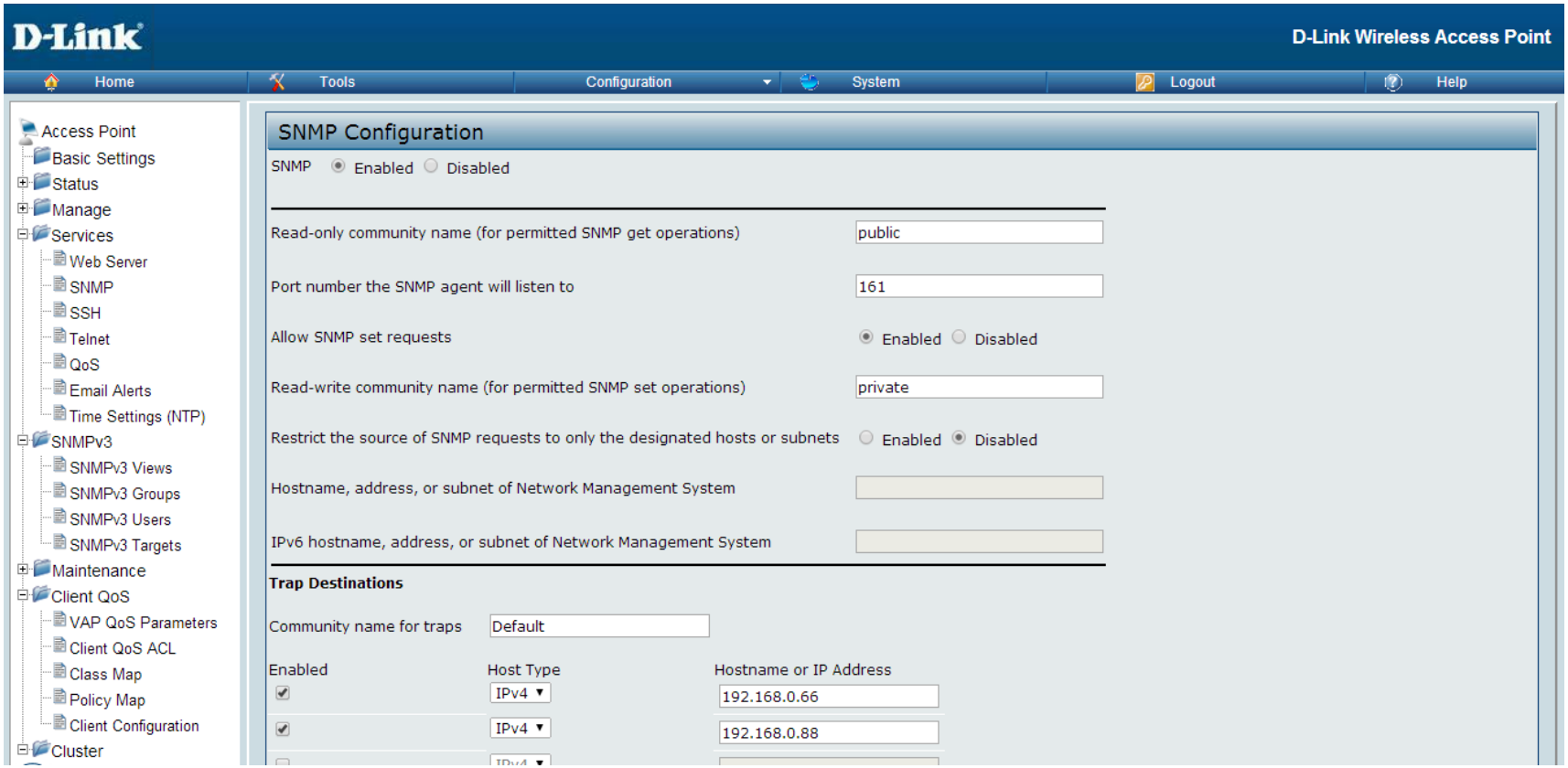
Time	Severity	Message
2014-04-08 10:36:55	Notice	[SYSACT]Web login success from 192.168.0.88
2014-04-08 10:31:27	Notice	[SYSACT] AP warm start
2014-04-08 10:31:27	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:31:26	Notice	[Wireless] (5GHz) Use Primary Radius Server (10.90.90.78)
2014-04-08 10:31:24	Notice	[Wireless] (5GHz) Initiate Wireless success
2014-04-08 10:31:18	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:31:16	Notice	[Wireless] (2.4GHz) Use Primary Radius Server (10.90.90.78)
2014-04-08 10:31:14	Notice	[Wireless] (2.4GHz) Initiate Wireless success
2014-04-08 10:30:22	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:30:20	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:30:18	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:30:16	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:29:24	Notice	[SYSACT]Web login success from 192.168.0.88
2014-04-08 10:27:41	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:27:40	Notice	[Wireless] (5GHz) Use Primary Radius Server (10.90.90.78)

Lab Practice (DWL-6600 Syslog and Trap Log)

- Quiz: You plan to configure your system where the syslog and trap log from your DWL-6600 will automatically send to your D-View 7 system. Thus, you are able to view those messages. What would be proper configurations to do so
- Time to finished this lab: 15-min

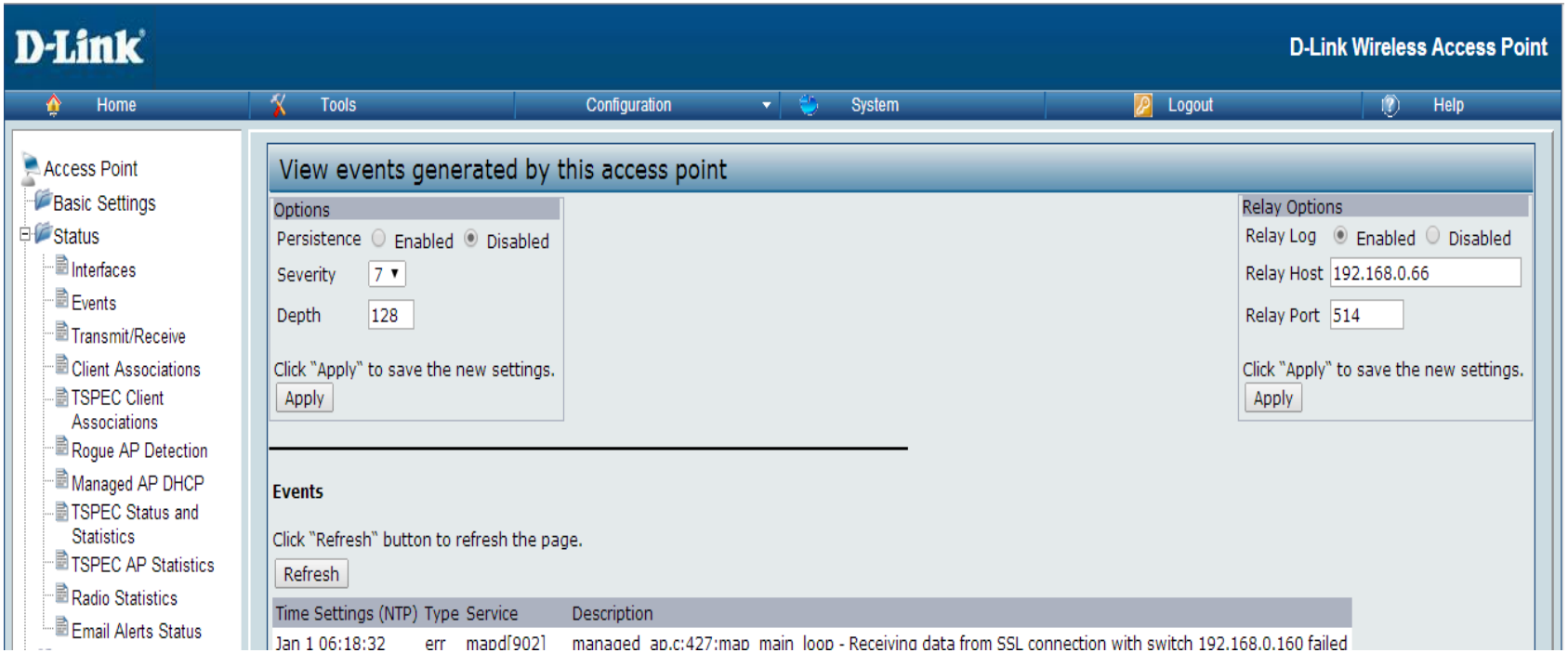
Lab Practice (DWL-6600 Syslog and Trap Log)

- Configuration Guides



Lab Practice (DWL-6600 Syslog and Trap Log)

- Configuration Guides

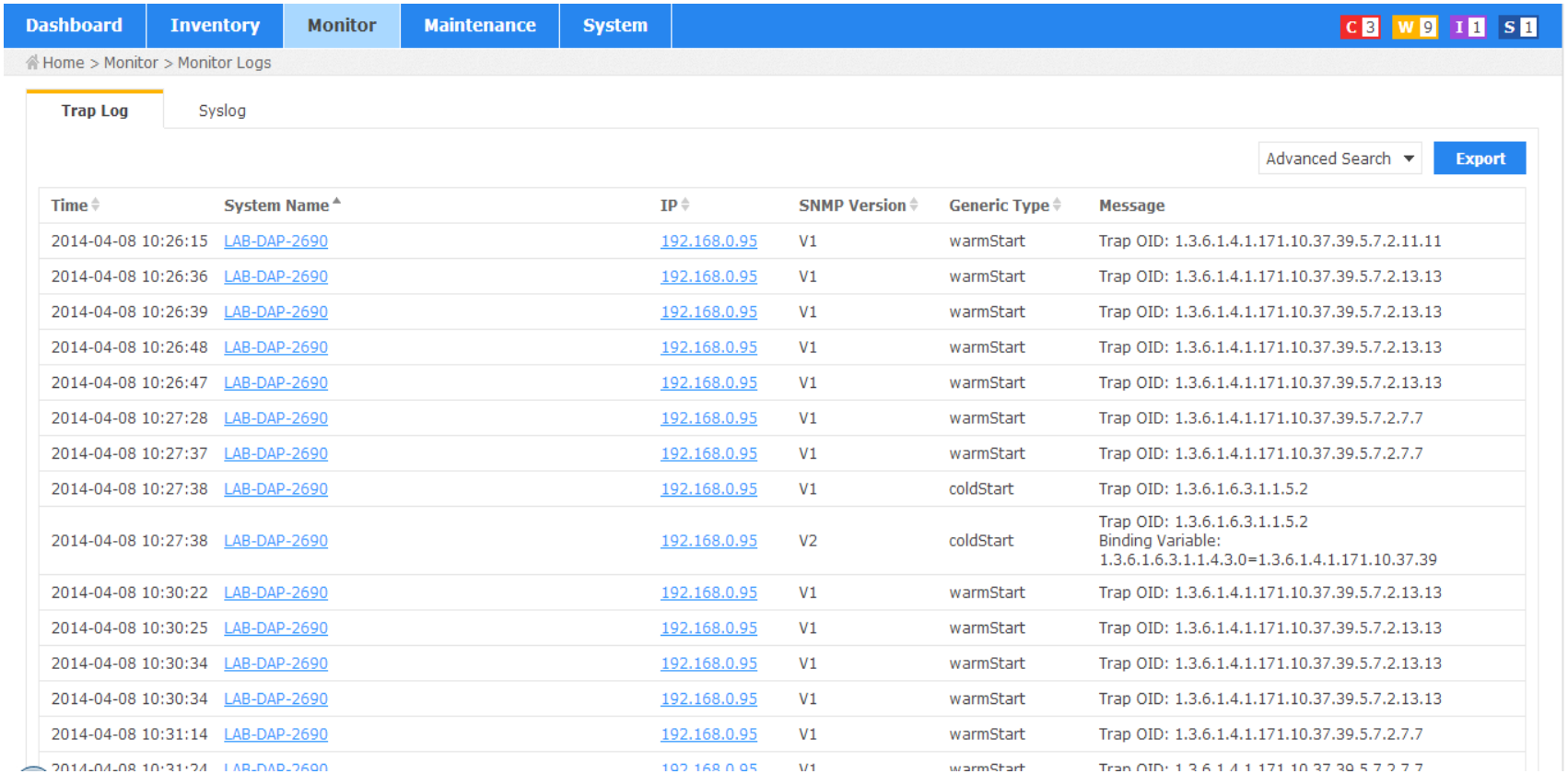


Lab Practice (D-View 7 collected Log)

- Quiz: Where can we see the page where Syslog and Trap Log of all of the configured devices?
- Time to finished this lab: 5-min

Lab Practice (D-View 7 collected Log)

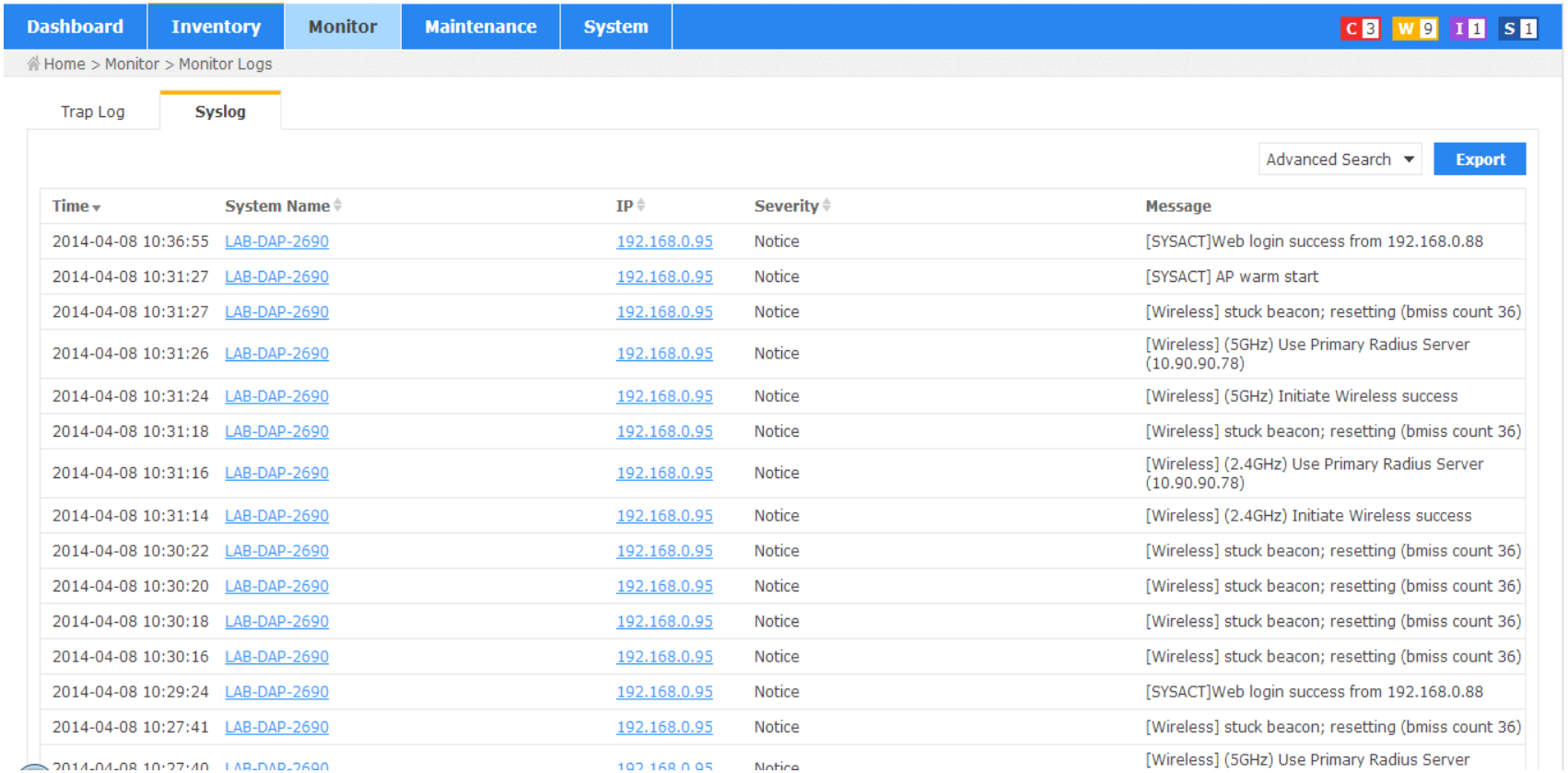
- GUI Menu: Home > Monitor > Monitor Logs
- The following is for trap log



Time	System Name	IP	SNMP Version	Generic Type	Message
2014-04-08 10:26:15	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.11.11
2014-04-08 10:26:36	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:26:39	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:26:48	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:26:47	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:27:28	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.7.7
2014-04-08 10:27:37	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.7.7
2014-04-08 10:27:38	LAB-DAP-2690	192.168.0.95	V1	coldStart	Trap OID: 1.3.6.1.6.3.1.1.5.2
2014-04-08 10:27:38	LAB-DAP-2690	192.168.0.95	V2	coldStart	Trap OID: 1.3.6.1.6.3.1.1.5.2 Binding Variable: 1.3.6.1.6.3.1.1.4.3.0=1.3.6.1.4.1.171.10.37.39
2014-04-08 10:30:22	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:30:25	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:30:34	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:30:34	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.13.13
2014-04-08 10:31:14	LAB-DAP-2690	192.168.0.95	V1	warmStart	Trap OID: 1.3.6.1.4.1.171.10.37.39.5.7.2.7.7

Lab Practice (D-View 7 collected Log)

- GUI Menu: Home > Monitor > Monitor Logs
- The following is for sys log



Time	System Name	IP	Severity	Message
2014-04-08 10:36:55	LAB-DAP-2690	192.168.0.95	Notice	[SYSACT]Web login success from 192.168.0.88
2014-04-08 10:31:27	LAB-DAP-2690	192.168.0.95	Notice	[SYSACT] AP warm start
2014-04-08 10:31:27	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:31:26	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] (5GHz) Use Primary Radius Server (10.90.90.78)
2014-04-08 10:31:24	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] (5GHz) Initiate Wireless success
2014-04-08 10:31:18	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:31:16	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] (2.4GHz) Use Primary Radius Server (10.90.90.78)
2014-04-08 10:31:14	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] (2.4GHz) Initiate Wireless success
2014-04-08 10:30:22	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:30:20	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:30:18	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:30:16	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:29:24	LAB-DAP-2690	192.168.0.95	Notice	[SYSACT]Web login success from 192.168.0.88
2014-04-08 10:27:41	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] stuck beacon; resetting (bmiss count 36)
2014-04-08 10:27:40	LAB-DAP-2690	192.168.0.95	Notice	[Wireless] (5GHz) Use Primary Radius Server